SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : SCT55A
Model: CS667APTRX/BWT

SERVICE Manual

COLOR TELEVISION RECEIVER

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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

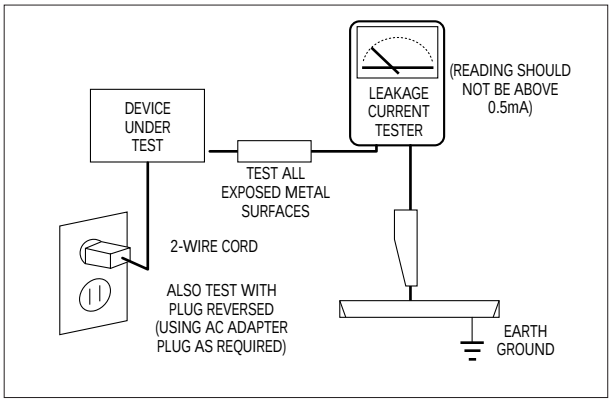

LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
DEVICE UNDER TEST
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (“solid state”) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as “anti-static”; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	µA	Microampere
		µF	Microfarad
°C	Degree Celsius	µH	Microhenry
°F	Degree Fahrenheit	µm	Micrometer
°K	degree Kelvin	µs	Microsecond
F	Farad	µW	Microwatt
G	Gauss	mA	Milliampere
GHz	Gigahertz	mg	Milligram
g	Gram	mH	Millihenry
H	Henry	ml	Milliliter
Hz	Hertz	mm	Millimeter
h	Hour	ms	Millisecond
ips	Inches Per Second	mV	Millivolt
kWh	Kilowatt-hour	nF	Nanofarad
kg	Kilogram	Ω	Ohm
kHz	Kilohertz	pF	Picofarad
kΩ	Kilohm	lb	Pound
km	Kilometer	rpm	Revolutions Per Minute
km/h	Kilometer Per Hour	rps	Revolutions Per Second
kV	Kilovolt	s	Second (Time)
kVA	Kilovolt-ampere	V	Volt
kW	Kilowatt	VA	Volt-ampere
l	Liter	W	Watt
MHz	Megahertz	Wh	Watt-hour

Table 2-1 Abbreviations

ABL	Automatic Brightness Limiter
AC	Alternating Current
ACC	Automatic Chroma Control
AF	Audio Frequency
AFC	Automatic Frequency Control
AFT	Automatic Fine Tuning
AGC	Automatic Gain Control
AM	Amplitude Modulation
ANSI	American National Standards Institute
APC	Automatic Phase Control
APC	Automatic Picture Control
A/V	Audio-Video
AVC	Automatic Volume Control
BAL	Balance
BPF	Bandpass Filter
B-Y	Blue-Y
CATV	Community Antenna Television (Cable TV)
CB	Citizens Band
CCD	Charge Coupled Device
CCTV	Closed Circuit Television
Ch	Channel
CRT	Cathode Ray Tube
CW	Continuous Wave
DC	Direct Current
DVM	Digital Volt Meter
EIA	Electronics Industries Association
ESD	Electrostatic Discharge
ESD	Electrostatically Sensitive Device
FBP	Feedback Pulse
FBT	Flyback Transformer
FF	Flip-Flop
FM	Frequency Modulation
FS	Fail Safe
GND	Ground
G-Y	Green-Y
H	High
HF	High-Frequency
HI-FI	High Fidelity
IC	Inductance-Capacitance
IC	Integrated Circuit
IF	Intermediate Frequency
I/O	Input/output
L	Left
L	Low
LED	Light Emitting Diode
LF	Low Frequency
MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
MTS	Multi-channel Television Sound
NAB	National Association of Broadcasters
NEC	National Electric Code
NTSC	National Television Systems Committee
OSD	On Screen Display
PCB	Printed Circuit Board
PLL	Phase-Locked Loop
PWM	Pulse Width Modulation
QIF	Quadrature Intermediate Frequency
R	Right
RC	Resistor & Capacitor
RF	Radio Frequency
R-Y	Red-Y
SAP	Second Audio Program
SAW	Surface Acoustic Wave(Filter)
SIF	Sound Intermediate Frequency
SMPS	Switching Mode Power Supply
S/N	Signal/Noise
SW	Switch
TP	Test Point
TTL	Transistor Transistor Logic
TV	Television
UHF	Ultra High Frequency
UL	Underwriters Laboratories
UV	Ultraviolet
VCD	Variable-Capacitance Diode
VCO	Voltage Controlled Oscillator
VCXO	Voltage Controlled Crystal Oscillator
VHF	Very High Frequency
VIF	Video Intermediate Frequency
VR	Variable Resistor
VTR	Video Tape Recorder
VTVM	Vacuum Tube Voltmeter
TR	Transistor

2-1 Tables of Abbreviations and Acronyms

100 Series ..... IF processing
200 Series .....Video, Chroma Processing
300 Series ..... Vertical Deflection
400 Series ..... Horizontal deflection
500 Series ..... CRT Drive Processing
600 Series ..... Sound Processing
700 Series ..... A/V Switching Processing
800 Series ..... AC Input Power Supply
900 Series ..... MICOM Section
RT, CT, ICT ..... TELETEXT Section
RC, CC, HC, SWY ..... SNAP-IN Section (Control)
RV,CV,LV,QV ..... V/M Section
RJ,CJ,LJ,DJ,ICJ ..... NICAM Section
RP,CP,LP,XP,ICP ..... PIP Section
RC,CC,DZC,QC ..... COMB Filter Section
RP,PD ..... POWER-S/W Section

2-2 IC Line Up

Table 2 - 1 IC Line - Up				
Loc No.	No.	Specification	Description	Remarks
IC201	1	TDA8375	ONE CHIP TV PROCESSOR	N3 VERSION
IC203	2	TDA9177	LINE TRANSIENT IMPROVEMENT IC (LTI BOOSTER)	
IC205	3	TEA5114A	R/G/B SWITCHING IC	SCART OPTION
IC206	4	TEA5114A	R/G/B SWITCHING IC	TTX/OSD
IC207	5	TEA5114A	R/G/B SWITCHING IC	PIP/TTX
IC208	6	TDA9170	YUV PICTURE IMPROVEMENT PROCESSOR	
IC301	7	LA7845	VERTICAL AMP	POWER
IC401	8	MC4558C	OP AMPLIFIER (EW AMPLIFIER)	POWER
IC501	9	TDA6101Q	VIDEO OUTPUT AMPLIFIER	CRT
IC502	10	TDA6101Q	VIDEO OUTPUT AMPLIFIER	CRT
IC503	11	TDA6101Q	VIDEO OUTPUT AMPLIFIER	CRT
IC504	12	MC4558C	OP AMPLIFIER (TILT AMPLIFIER)	CRT
IC505	13	SPK101T	SPOT KILLER HYBRID IC	CRT
IC6001	14	TDA9875/9870	DIGITAL TV SOUND PROCESSOR	AUDIO MODULE
IC6002	15	TDA9808	VIF/SIF PROCESSOR (SIF PROCESSOR)	AUDIO MODULE
IC6003	16	TDA7050	2-CHANNEL HEADPHONE AMPLIFIER	AUDIO MODULE
IC6004	17	MC4558C	OP AMPLIFIER (AUDIO AMPLIFIER)	AUDIO MODULE
IC601	18	TDA7297	SOUND AMP	
IC701	19	CXA1855S	AUDIO/VIDEO SWITCHING IC	
IC801	20	STR-S6709	SMPS CONTROL IC	POWER
IC802	21	LTV817B	PHOTO COUPLER	POWER
IC901	22	Z89313(Z90341)	MICRO PROCESSOR	
IC902	23	KIA7042P	RESET IC	
IC903	24	PQ09RF1	9V SWITCHABLE REGULATOR	
IC904	25	KA7808	8V REGULATOR	

Table 2 - 1 IC Line - Up (Continued)				
Loc No.	No.	Specification	Description	Remarks
IC905	26	KA7812A	12V REGULATOR	
IC906	27	KA7805A	5V REGULATOR	
IC907	28	KA7808	8V REGULATOR	
IC908	29	24C08	E2PROM	
IC909	30	KA7805A	5V REGULATOR	
IC910	31	KA7805A	5V REGULATOR	
ICP03	32	TDA9160A	PAL/NTSC/SECAM DECODER AND SYNC PROCESSOR	PIP MODULE
ICP05	33	SAB9077H	PIP CONTROLLER	PIP MODULE
ICP06	34	548262	MEMORY-2M	PIP MODULE
IC101	35	PAP102	IF PRE-AMP HYBRID IC	
IC202	36	TDA4665	BASE BAND DELAY LINE	SECAM MODULE
IC203	37	TDA8395P	SECAM DECODER	SECAM MODULE
ICT01	38	SAA528IP/E	TELETEXT	
ICP02	39	TDA9808	VIF/SIF-DETECTOR	PIP MODULE
ICP01	40	PAP101	IF PRE-AMP HYBRID IC	PIP MODULE
ICP04	41	TDA3504	RGB-MATRIX	PIP MODULE
ICP07	42	KIA7042P	RESET IC	PIP MODULE
ICP08	43	TDA4665T	BASE BAND DELAY LINE	PIP MODULE

Option : OSD Language

Table 2-2			
Loc No.	Specification	Description	Remarks
IC901	SZM-162M	ENG/ARAB/FRENCH/CHINESE/ MALAYSIA/INDONESIA/VIETNAM/ THAI/RUSSIAN/CROATIA/BULGARIA/ POLAND/ROMANIA/CZECH/TURKEY/HUNGARY	2-TUNER MULTI-PIP MULTI-LANGUAGE

3. Specifications

Model		761A/3001A
SYSTEM	TUNING	Frequency Synthesizer
	COLOUR	PAL, SECAM, NTSC3.58, NTSC4.43
	SOUND	B/G, D/K, I,M
	NICAM	B/G,I
ANTENNA IMPEDANCE		75 ohm unbalanced coaxial
SCREEN SIZE		70.8 cm
POWER	REQUIREMENTS	Main voltage : 220V/230V/240V~
		Range : 100 - 260V~
	FREQUENCY	50/60Hz
PROGRAMME CHANNEL		100 channels

Specifications are subject to change.

4. Disassembly and Reassembly

4-1 Cabinet

1. Remove 9 screws located on the side of the cabinet.
2. Pull the Main Assembly backwards to remove.
3. To reassemble, place the receiver on a flat surface and repeat the sequence in reverse order.
4. To check that that the Chassis Assembly is installed correctly, attempt to pull if from the front cabinet.

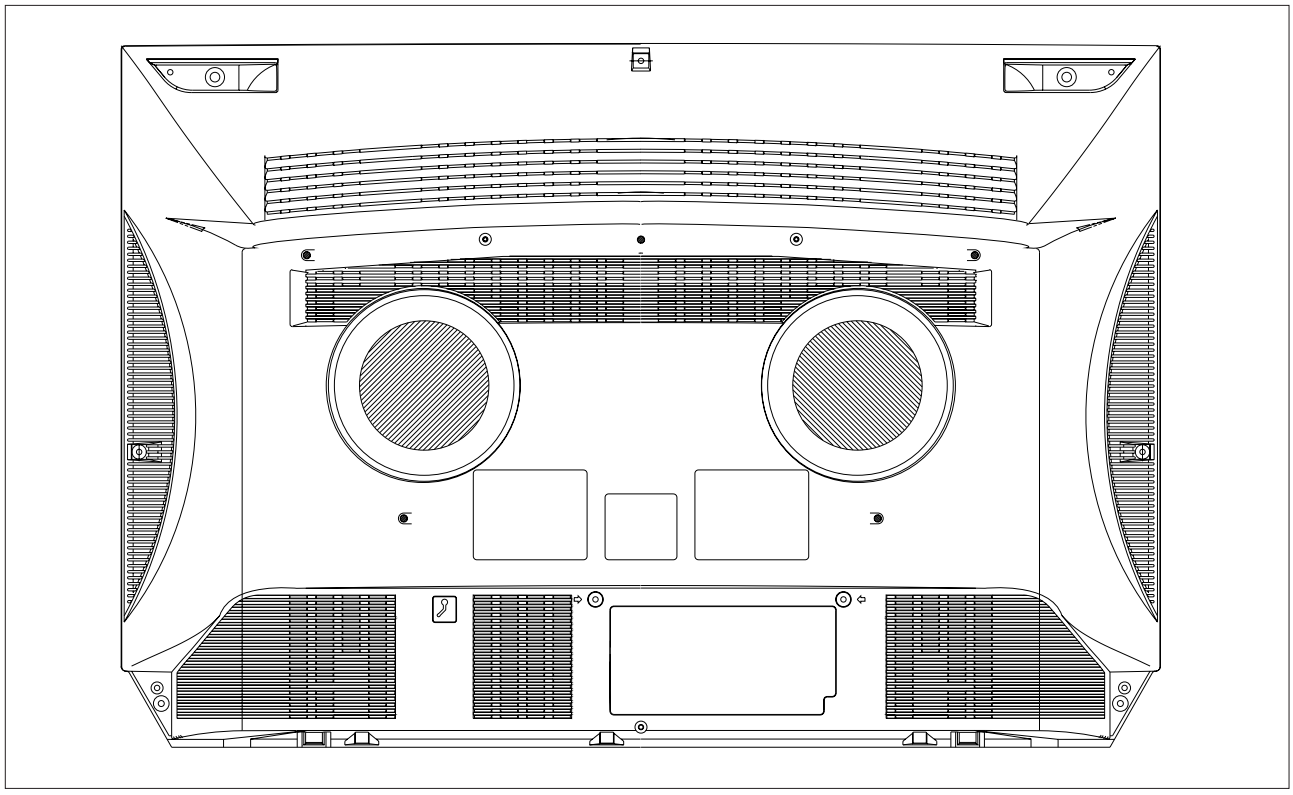


Fig. 4-1

4-2 Speaker

1. Separate Connectors (a), (b).
2. Separate wires from twist-lock.
3. Remove 2 screws, (c).
4. To reassemble, repeat the sequence in reverse order.

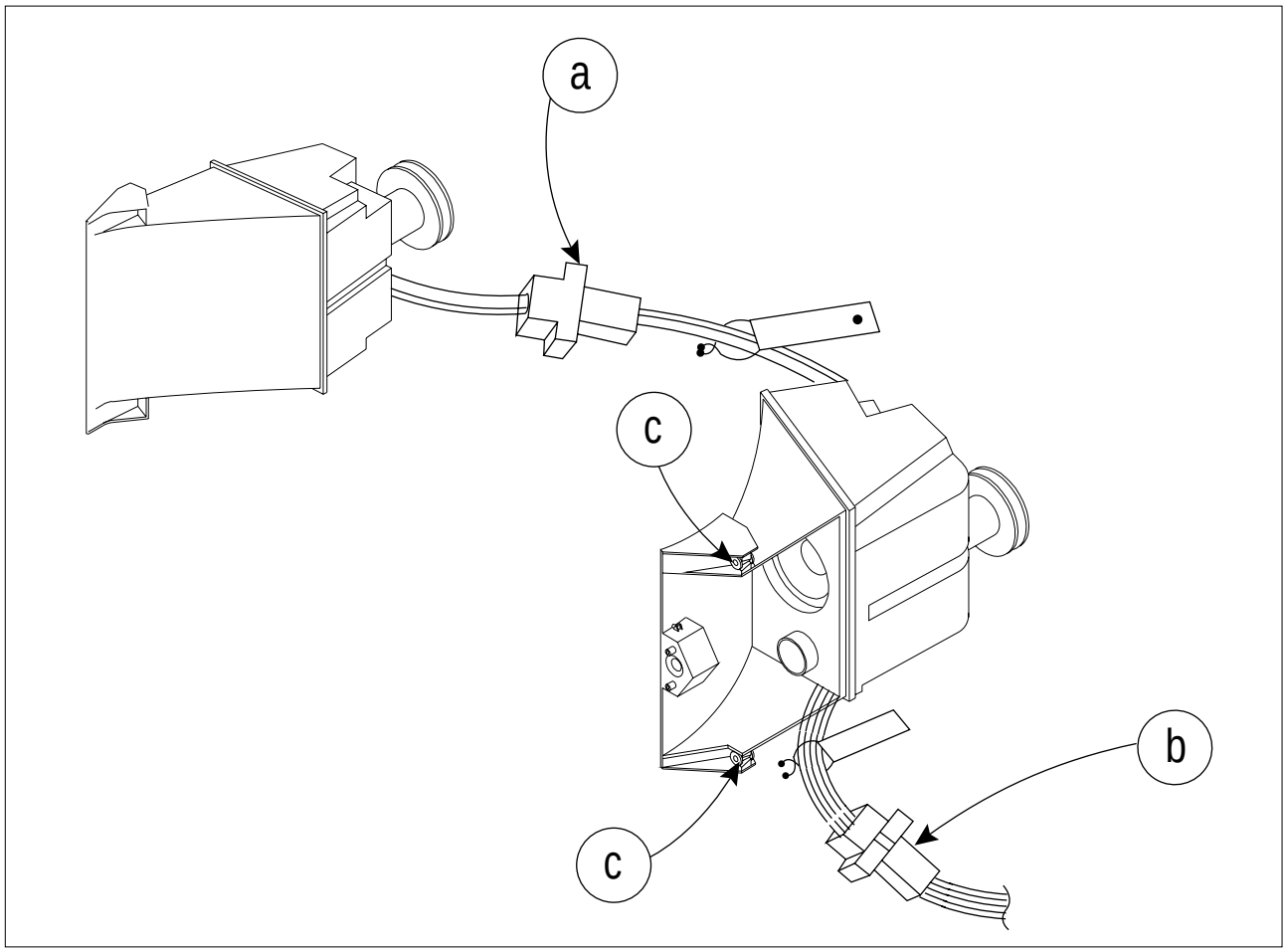


Fig. 4-2

4-3 Chassis Assembly

4-3-1 Removal from Front Cabinet

1. Lift and pull back the chassis mounting.

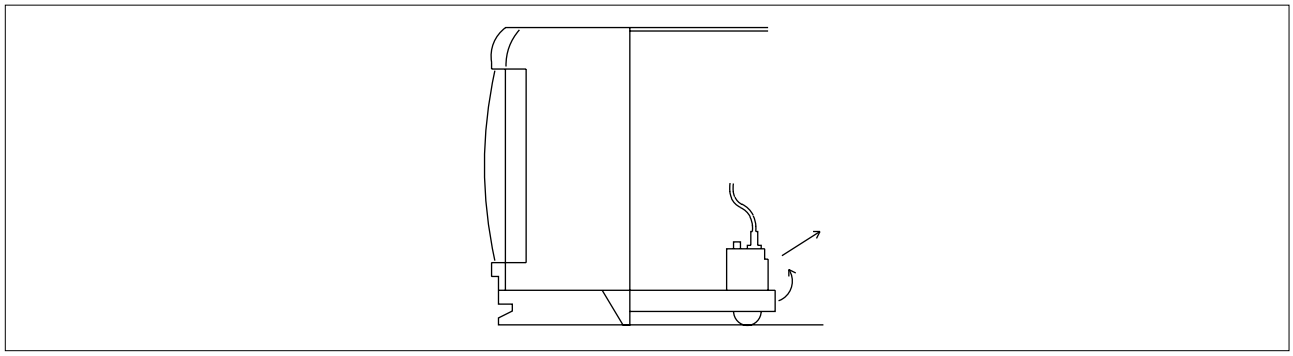


Fig. 4-3

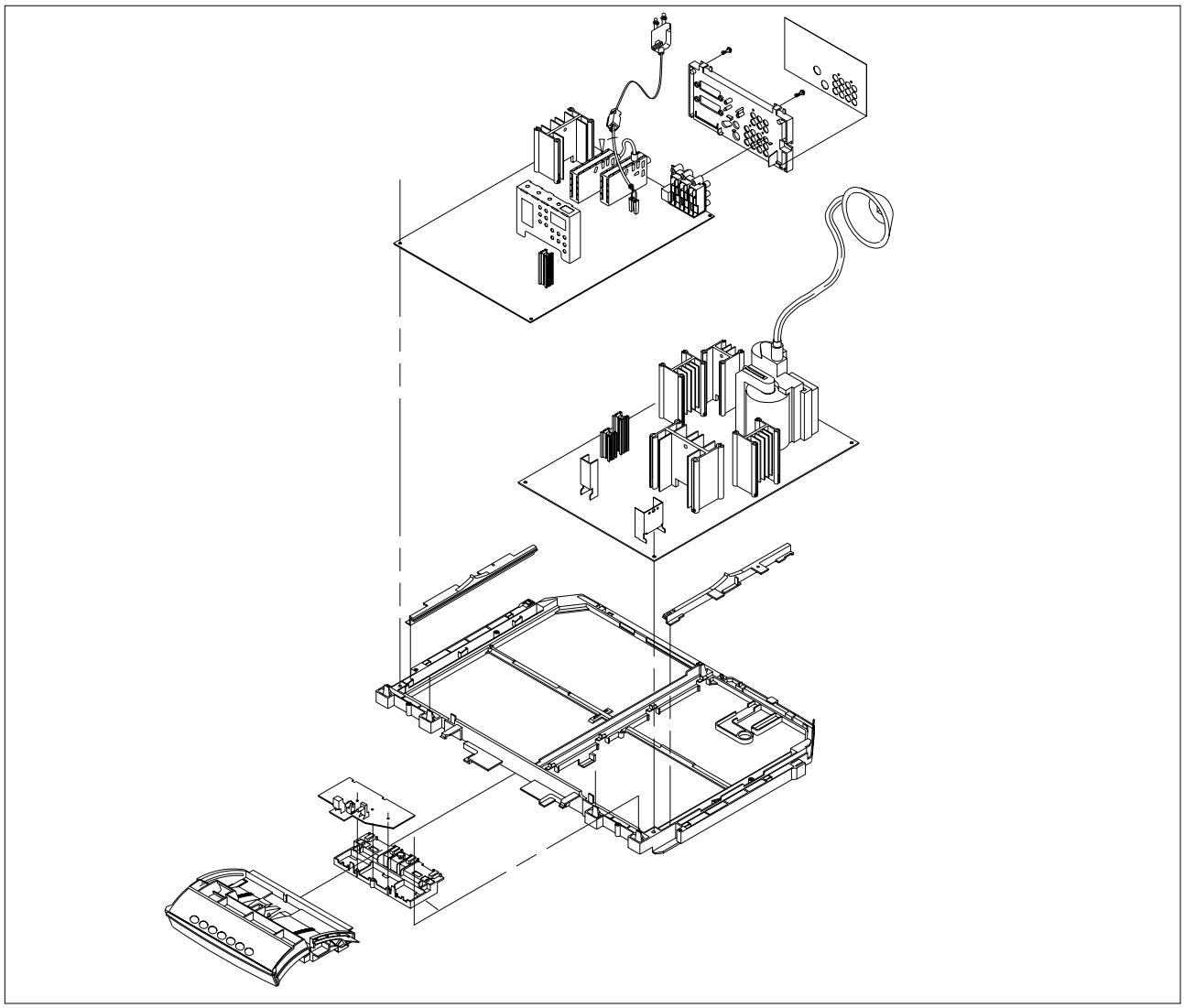


Fig. 4-4

4-3-2 Terminal Board

Removal

1. Pull the power cord to the left and remove it.
2. Remove 1 screw (a).
3. lift up the 2 brackets(b). Separate the terminal board from the chassis mount.
4. To reassemble, refer to Fig. 4-6.

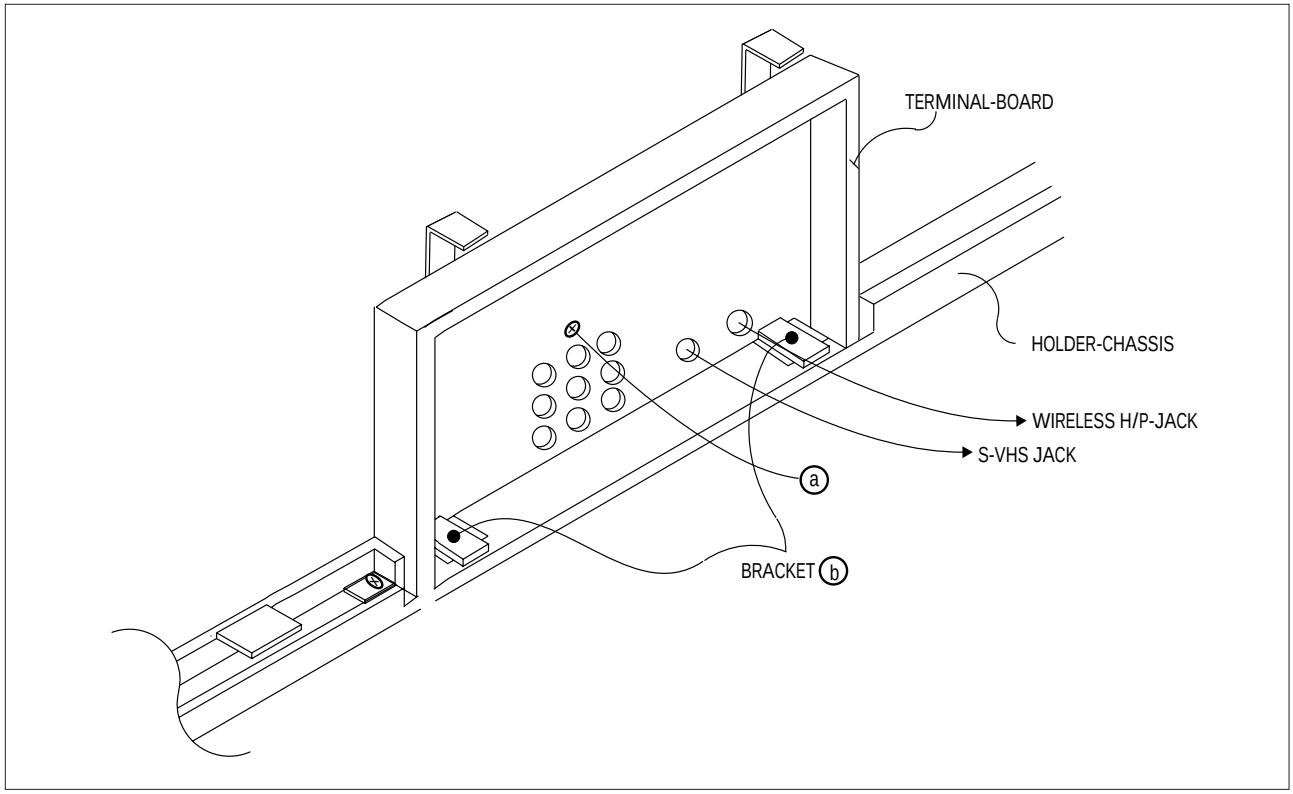


Fig. 4-5

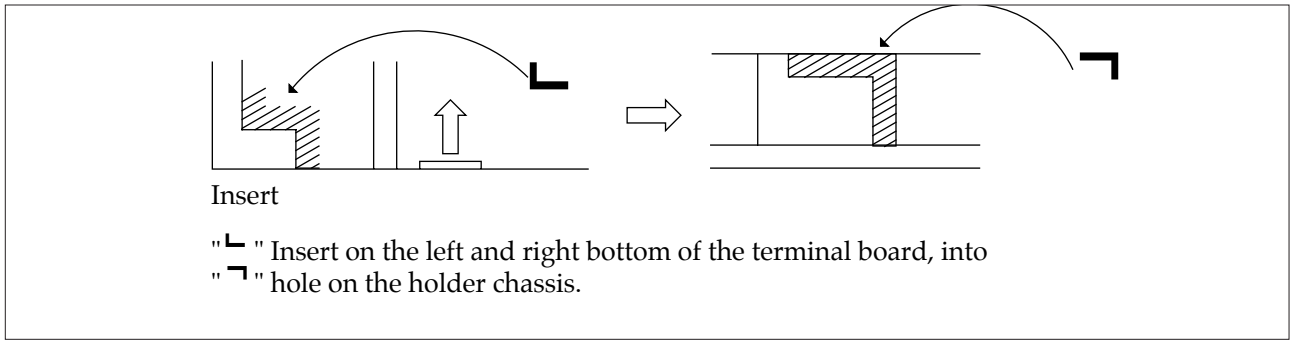


Fig. 4-6

4-3-3 PCB

Removal

1. Refer to the Fig. 4-4.
2. Remove the wire (1P) from the chassis mounting.
3. Pull the PCB guides backwards.
4. Lift both edges of the PCB and pull out.

Disassembly

1. Ensure that the PCB is well positioned in the PCB guides.
2. The power cord must not touch the heat-sink, D73.
3. The PCB guide is part of the chassis mounting ; if a new PCB guide is needed, the complete chassis mounting must be replaced.

4-3-4 SNAPIN Removal

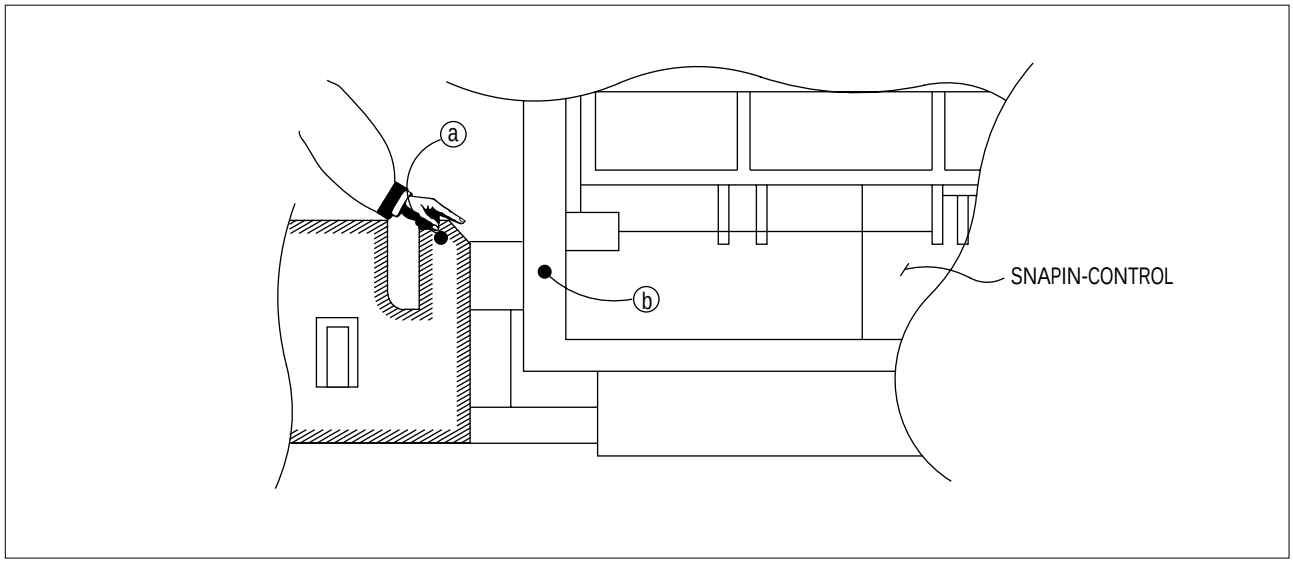


Fig. 4-7 Press the SNAPIN (b) with thumb ; pull the left holder-bracket (a) with index finger

4-3-5 Chassis Reassembly

1. Close the SNAPIN door.
2. Place the chassis bracket (b) onto (a) on the bottom of the cabinet.
3. Push the bracket into the hole (a) until a “click” is heard.
4. Check that the SNAPIN door opens and closes.

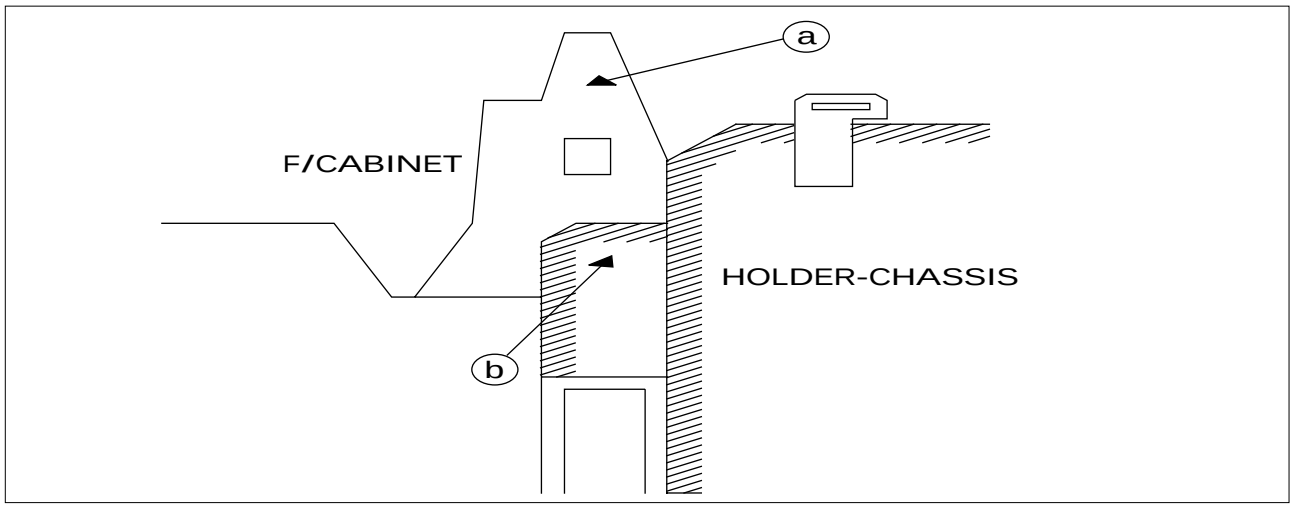


Fig. 4-8

5. Alignment and Adjustments

5-1 General Alignment Instructions

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.

2. Observe the picture for good black and white details. There should be no objectionable color shading; if color shading is present, demagnetize, perform purity and convergence adjustments described below.

3. Use the specified test equipment or its equivalent.

4. Correct impedance matching is essential.

5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.

6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.

7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.

8. To protect against shock hazard, use an isolation transformer.

5-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set is moved or turned in a different direction, the power should be OFF for at least 10 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before turning power OFF.

If color shading persists, perform the following Color Purity and Convergence adjustments.

5-3 High Voltage Check

CAUTION: There is no high voltage adjustment on this chassis. The B+ power supply should be +130 volts (with full color- bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.

2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).

3. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 32 KV under any conditions.

5-4 RF AGC Adjustment

1. Tune to the strongest local station.
2. Enter the Service Mode to make adjustments.
3. Adjust the AGC control until noise (snow) disappears from the screen.

5-5 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

5-6 SCREEN Adjustment

1. Turn to an ACTIVE channel.
2. Adjust the VR screen for a normal picture is (no blooming or flyback line).
3. Adjust the SCREEN control for well defined scanning lines in the center area of the screen.

5-7 Purity Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke. Tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set it as shown in Fig. 5-1.
4. Input a black and white signal.
5. Fully demagnetize the receiver by using an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke. Slide the yoke backward or forward to produce a vertical green belt. (Fig. 5-2).
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward. Adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the -low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

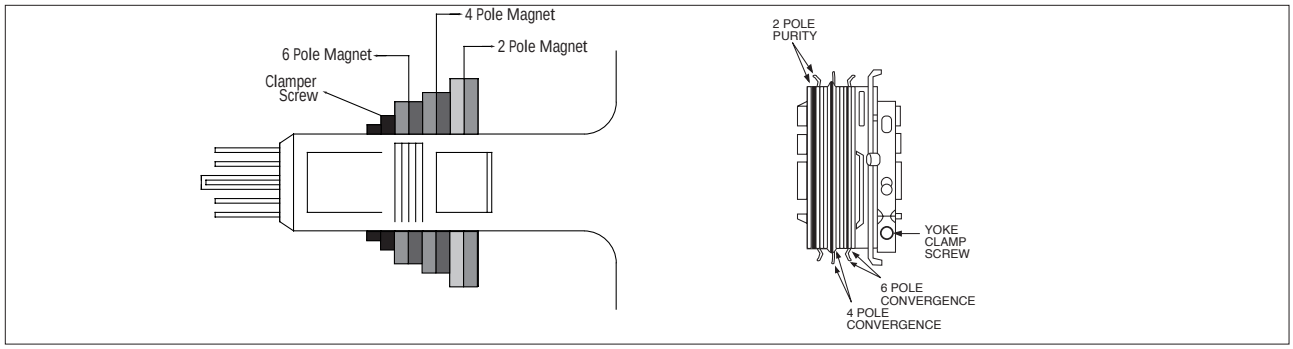


Fig. 5 -1 Convergence Magnet Assembly

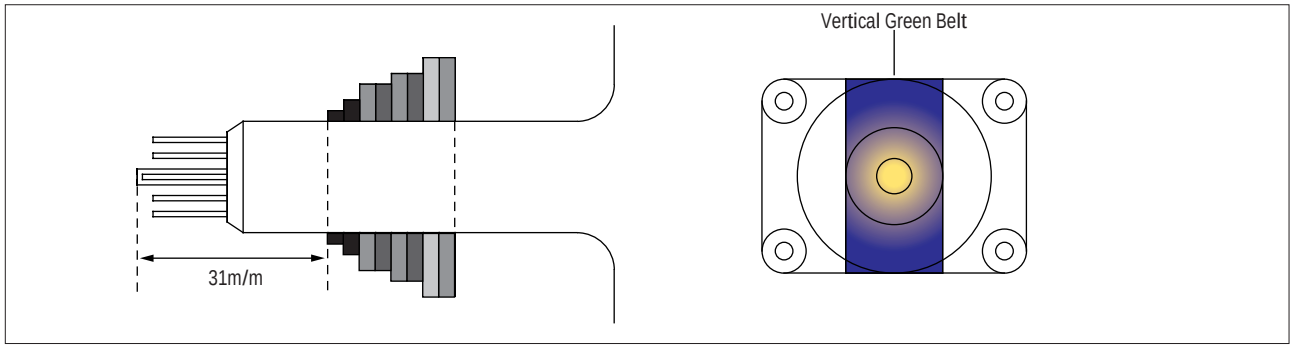


Fig. 5-2 Center Convergence Adjustment

5-8 Center Convergence Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Adjust the BRIGHTNESS and CONTRAST controls for a well-defined picture.
3. Adjust the two tabs of the 4-pole magnets: Change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.
4. Turn both tabs at the same time, keeping the angle constant: Superimpose the red and blue horizontal lines in the center of the screen.
5. Adjust two tabs of 6-pole magnets: Superimpose the red and blue lines with the green. Adjusting the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.
6. Repeat adjustments 2~4, if necessary.
7. Since the 4-pole and 6-pole magnets interact, the dot movement is complex (Fig. 5-3).

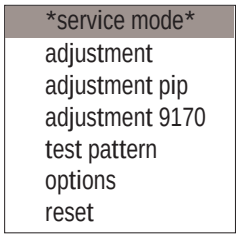
Fig 5-3 Center Convergence Adjustment

5-9 Service Mode

1. Enter the Factory Mode. Press the remote-control keys in this sequence:

picture off → DISPLAY → P.STD → MUTE → picture on

2. Use the channel and volume keys (up/down) to move the cursor. Select an alignment parameter.



3. Adjustment must be done for both 50Hz and 60Hz field rates.

00		YDL	0	VSC	0
AGC	25	TSC	25	STT	4
VCO	31	PSL	27	NSL	27
SBT	3	PVS	34	NVS	35
SCT	13	PVA	30	NVA	30
SCR	7	PHS	37	NHS	44
SC	15	PEW	45	NEW	44
RG	37	PEP	35	NEP	36
GG	31	PEC	15	NEP	15
BG	32	PET	35	NET	35

Adjustment

Table 5-1 Adjustment

Function	OSD	Range	Note
CHANNEL NO	00	00~99	DIRECT NUMBER KEY IN
AUTO.GAIN CONTROL	AGC	00~63	
VOLTAGE CONTROL OSC.	VCO	00~127	RIGHT SIDE DIGIT IS CHANGE "L"ȼ°□H"(RED COLOR):STOP
SUB BRIGHTNESS	SBT	00~13	
SUB CONTRAST	SCT	00~13	
SUB COLOR	SCR	00~23	
S-CORRECTION	SC	00~63	VERTICAL S-CORRECTION
RED GAIN	RG	00~63	HIGH LIGHT ADJUSTMENT
GREEN GAIN	GG	00~63	HIGH LIGHT ADJUSTMENT
BLUE GAIN	BG	00~63	HIGH LIGHT ADJUSTMENT

Table 5-1 Adjustment (Continued)			
Function	OSD	Range	Note
LUMINANCE (Y) DELAY	YDL	0~15	ONLY USED FOR TDA8844
TELETEXT SUB CONTRAST	TSC	0~63	ONLY USED FOR TTX MODEL
PAL VERTICAL SLOPE	PSL	0~63	PAL
PAL VERTICAL SHIFT	PVS	0~63	PAL
PAL VERTICAL AMPLITUDE	PVA	0~63	PAL
PAL HORIZONTAL SHIFT	PHS	0~63	PAL
PAL E-W WIDTH	PEW	0~63	PAL
PAL E-W PARABOLA	PEP	0~63	PAL
PAL E-W CORNER	PEC	0~63	PAL
PAL E-W TRAPEZIUM	PET	0~63	PAL
VERTICAL SCROLL	VSC	0~63	ONLY USED FOR TDA8844
SUB TINT (HUE)	STT	0~15	NTSC
NTSC VERTICAL SLOPE	NSL	0~63	NTSC
NTSC VERTICAL AMPLITUDE	NVA	0~63	NTSC
NTSC HORIZONTAL SHIFT	NHS	0~63	NTSC
NTSC E-W WIDTH	NEW	0~63	NTSC
NTSC E-W PARABOLA	NEP	0~63	NTSC
NTSC E-W CORNER	NEC	0~63	NTSC
NTSC E-W TRAPEZIUM	NET	0~63	NTSC

4. Access Adjustment PIP by pressing the channel keys (up/down).

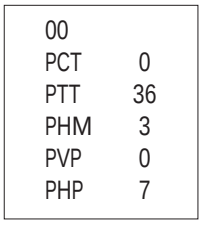


Table 5-2 PIP adjustment

Function	OSD	Range	Note
PROGRAM NUMBER	00	0 ~ 99	DIRECT NUMERIC KEY IN
PIP CONTRAST	PCT	0 ~ 15	NO ADJUSTMENT
PIP TINT	PTT	0 ~ 63	60 HZ (PIP) ONLY
PIP HORIZONTAL MOVE	PHM	0 ~ 63	
PIP VERTICAL POSITION	PVP	0 ~ 63	NO ADJUSTMENT
PIP HORIZONTAL POSITION	PHP	0 ~ 63	

5. Access Adjustment TDA9170 by pressing the channel keys (up/down).

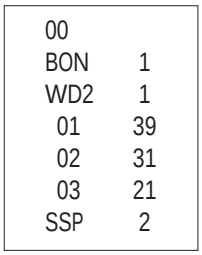


Table 5-3 Adjustment TDA9170

Function	OSD	Range	Note
PROGRAM NUMBER	00	0 ~ 99	DIRECT NUMERIC KEY IN
BLACK OFFSET COMPENSATION ENABLE	BON	0/1	
WINDOW SELECT	WD2	0/1	
USER VARIABLE GAMMA	01	0 ~ 63	
ADAPTIVE GAMMA	02	0 ~ 63	
NON LINEARITY AMPLITUDE	03	0 ~ 63	
SUB SHARPNESS	SSP	0 ~ 15	

6. After the factory mode adjustments are completed, return to the fist menu and set up "TEST PATTERN", "OPTIONS" and "RESET". Use the channel and volume keys to postion the cursor and make a selection.

TEST PATTERN

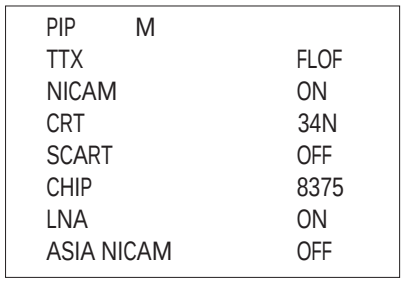


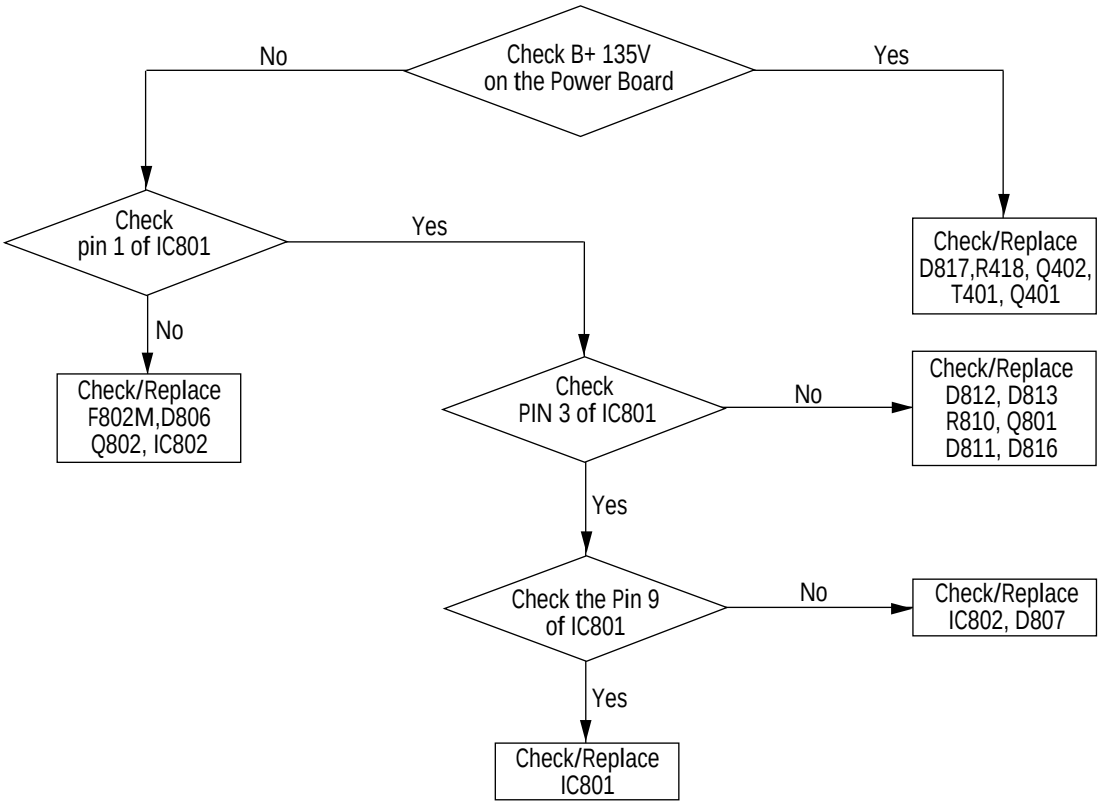
Table 5-4 Options

Options	OSD	Note
PIP	L	SINGLE PIP (SDA9288) OR NO PIP FUNCTION
	S	SINGLE PIP (SDA9189)
	T	SINGLE PIP (TWO TUNER)
	M	MULTI PIP (TWO TUNER)
TTX	OFF	NO TELETEXT FUNCTION
	FLOF	PRIORITY : FLOF
	LIST	PRIORITY : LIST
NICAM	OFF	NO NICAM FUNCTION
	ON	BUILT IN NICAM FUNCTION
CRT	PLUS	12.8 : 9 CRT USED
	NORMAL	4 : 3 CRT USED
	25Q	25 INCH ; 12.8 : 9 CRT USED
	34N	34 INCH ; 4 : 3 CRT USED
SCART	ON	REAR BACK JACK WAS USED 21-PIN JACK
	OFF	REAR BACK JACK WAS USED RCA 9-PIN JACK
CHIP	8375	USING ONECHIP : TDA8375
	8844	USING ONECHIP : TDA8844
LNA	ON	BUILT IN LNA FUNCTION
	OFF	NO LNA FUNCTION

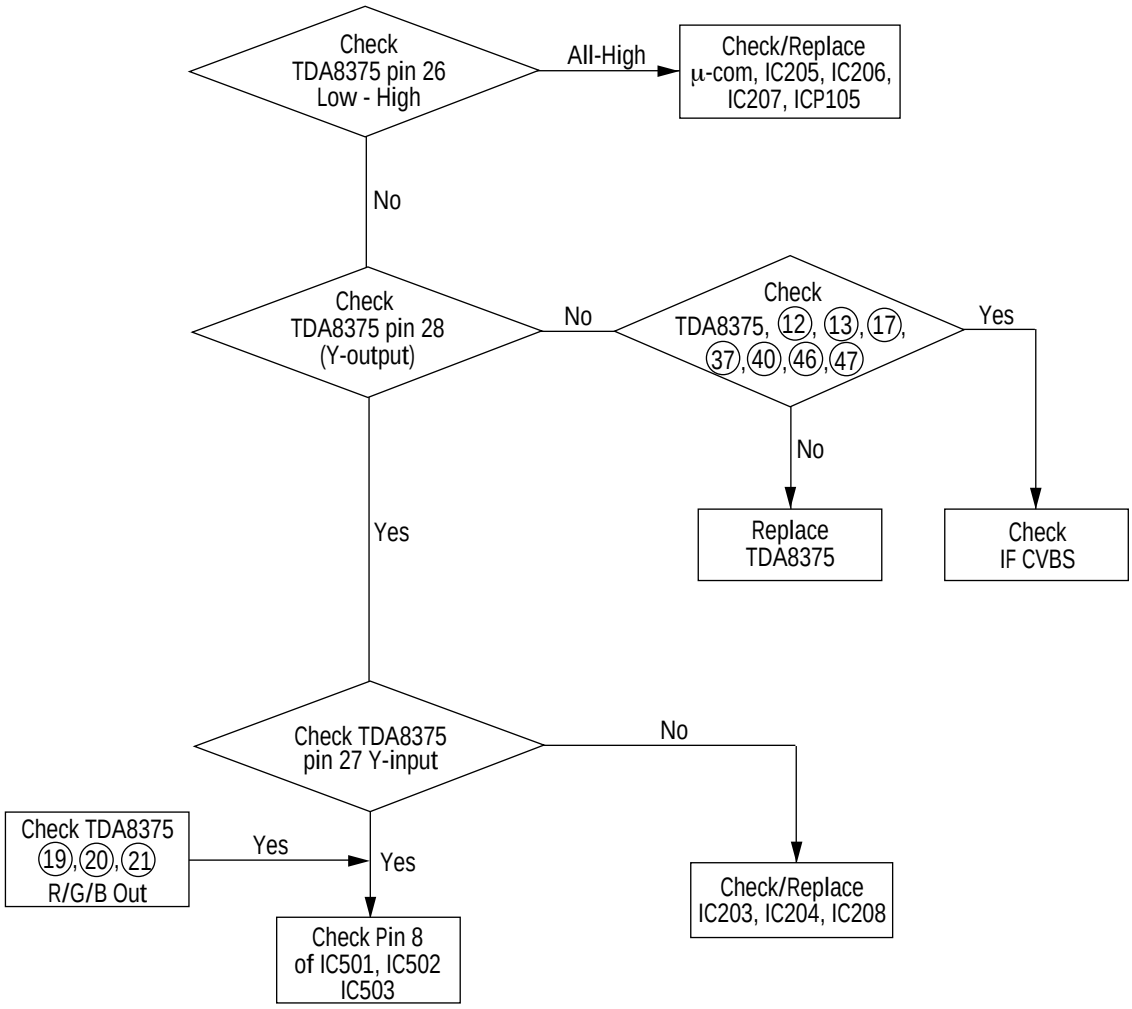
Table 5-4 Options (Continued)		
Options	OSD	Note
LANGUAGE	MULTI-16	ENG/ARAB/FRENCH/CHINESE/MALAYSIAN/ INDONESIAN/VIETNAMESE/THAI/RUSSIAN/CROATIAN/ BULGARIAN/POLISH/RUMANIAN/CZECH/TURKISH/HUNGARAN
	MidEast	ENG/ARAB/FRENCH
	Arabic	ENG/ARAB
	French	ENG/FRENCH
	Asia	ENG/CHINESE/MALAYSIAN/INDONESIAN/VIETNAMESE/THAI
	China	ENG/CHINESE
	Malaysia	ENG/MALAYSIAN
	Indonesia	ENG/INDONESIAN
	Vietnam	ENG/VIETNAMESE
	Thai	ENG/THAI
	E.Europe	ENG/RUSSIAN/CROATIAN/BULGARIAN/POLISH/ RUMANIAN/CZECH/ TURKISH/HUNGARAN
	M. Russia	ENG/RUSSIAN/CROATIAN/BULGARAN
	M. Poland	ENG/POLISH/RUMANIAN/CZECH
	M. Hungary	ENG/RUSSIAN/TURKISH/HUNGARAN
	Russia	ENG/RUSSIAN
	Croatia	ENG/CROATIAN
	Bulgaria	ENG/BULGARIA
	Poland	ENG/POLISH
	Rumania	ENG/RUMANIAN
	Czech	ENG/CZECH
	Turkey	ENG/TURKISH
	Hungary	ENG/HUNGARAN

6. Troubleshooting

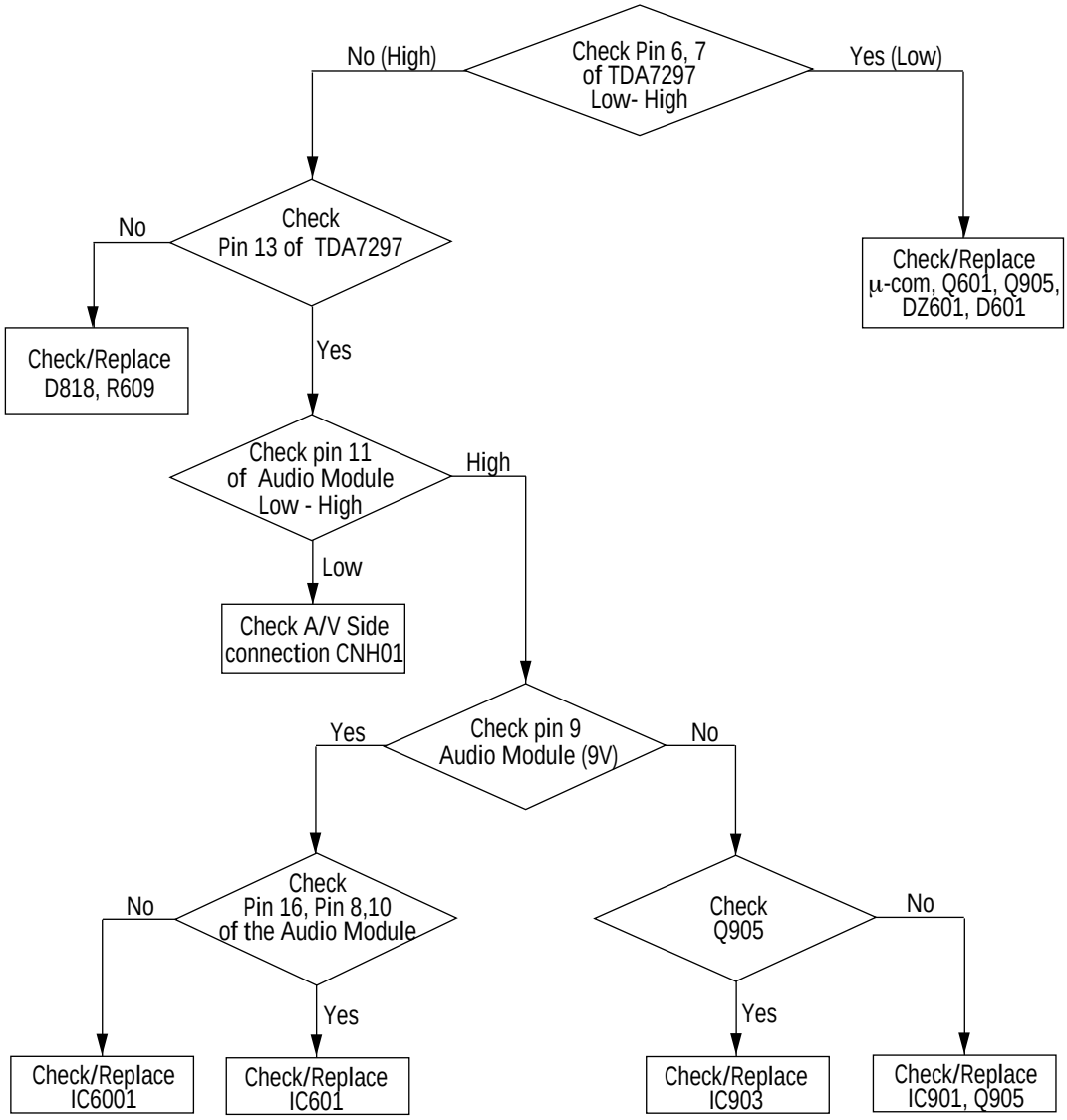
6-1 No Power



6-2 No Picture



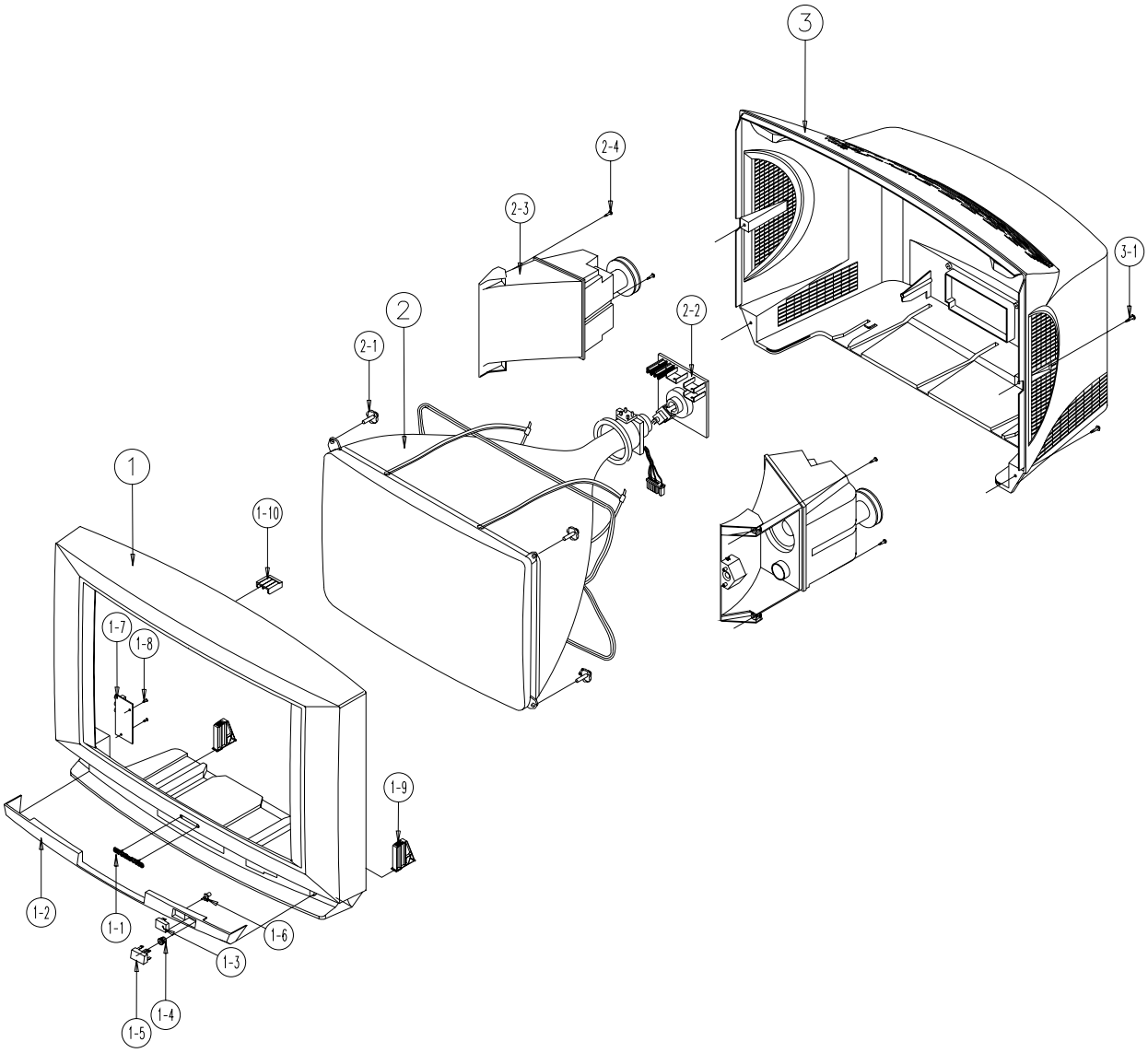
6-3 No Sound


Check Pin 6, 7
of TDA7297
Low- High
No (High)
Yes (Low)
Check
Pin 13 of TDA7297
No
Yes
Check/Replace
μ-com, Q601, Q905,
DZ601, D601
Check/Replace
D818, R609
Check pin 11
of Audio Module
Low - High
High
Low
Check A/V Side
connection CNH01
Check pin 9
Audio Module (9V)
Yes
No
Check
Pin 16, Pin 8,10
of the Audio Module
No
Yes
Check
Q905
No
Yes
Check/Replace
IC6001
Check/Replace
IC601
Check/Replace
IC903
Check/Replace
IC901, Q905

MEMO

7. Exploded View & Parts List

7-1 CS667APTRX/BWT



7-2.Parts List

No.	Code No.	Description & Specification	Q'ty	Remarks
1	AA64-31158B	CABINET-FRONT;-,CS667APTR,DG703P BWT,HIP	1	
1-1	AA64-70117A	BADGE-BRAND;AL,SS,FLAT,L65,SILVER,-,-	1	S.N.A
1-2	*AA64-40486B	DECORATION-ASSY;-,CS667APTR,DG703P,ABS,H	1	
	AA64-40478B	DECORATION-FRONT;-,CS667APTR,BWT L/GRY,A	1	
1-3	AA64-40458A	WINDOW-REMOCON;-,307A,-,PC,VIOLET,-,-	1	
1-4	AA61-60005K	SPRING-CS;-,SUS304,0.6,OD12.2,H13,N4,-,-	1	S.N.A
1-5	AA64-10711B	KNOB-POWER;-,767A,MS,PC,-,VIOLET	1	
1-6	AA64-40459A	INDICATOR-LED;-,307A,-,ABS,LG02431,-,-	1	
1-7	AA95-90027B	ASSY-PCB,A/V SIDE;-,767A,SCT55A,PAL,-,-	1	
1-8	6002-000514	SCREW-TAPPING(CF+AV);RH,+,2,M4,L15,ZPC(BLK),SWR	2	S.N.A
1-9		SUPPORT-CRT		DELETE ITEM
1-10	AA61-40010A	BOSS-WING;-,HIPS,HB,NTR,-,-	1	S.N.A
2	AA03-10023E	CRT-COLOR;-,A62QBB791X001(DBA),+500MG,25	1	
2-1	AA60-10050R	SCREW-ASSY(CRT+CF);WC,HH,+,M5,L31.5,SWRCH18A,ZPC	4	S.N.A
2-2	AA95-20010S	ASSY-PCB,CRT;CS667APTRX/BWT,SCT55A,26,22	1	
2-3	*AA96-10152A	ASSY-SPEAKER;-,16ohm,5W,000280,20505H,R9	1	
2-4	6002-000514	SCREW-TAPPING(SPK+CF);RH,+,2,M4,L15,ZPC(BLK),SWR	4	S.N.A
3	AA64-31159D	CABINET-BACK;-,667A,-,HIPS,V2,BLK,-,-	1	
3-1	AA60-10050T	SCREW-TAPPING(CB+CF);RH,+,2S,M4,L20,ZPC(BLK),SW	5	S.N.A

8. Electric Parts List

8-1.CS667APTRX/BWT

Loc	Part-No	Description & Specification	Remarks
		ASSY - PCB,MAIN	
*	AA94-10148G	ASSY-PCB,MAIN(OPT);CS667APTRX/BWT,SCT55A	
AV701	3722-000195	JACK-SCART;42P,-,SN,BLK,NO	
AV702	3722-000120	JACK-VHS;4P,3.5mm,AG,BLK,NO	
C102	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
C103	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C104	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C105	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C106	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C107	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C108	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C109	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
C110	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C111	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
C112	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C113	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C114	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C115	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C116	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C117	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C201	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C203	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C204	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C205	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C206	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C207	2309-000138	C-FILM,PE-PPF;100nF,5%,50V,TP,20x16x8.5,	
C208	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C209	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C210	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C213	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C214	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C215	2201-000379	C-CERAMIC,DISC;22nF,+80-20%,50V,Y5V,TP,8	
C216	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C217	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C218	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C219	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C220	2401-000647	C-AL;2.2uF,20%,50V,BP,TP,5x11,5	
C221	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C222	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
C223	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C224	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C225	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
C226	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C227	2201-000976	C-CERAMIC,DISC;22pF,5%,50V,CH,TP,5.0x3.0	
C229	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
C230	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C231	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C232	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C233	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3,5	
C234	2201-000611	C-CERAMIC,DISC;56pF,5%,50V,CH,TP,6.5x3,5	
C235	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C236	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C237	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C238	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C239	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C240	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C241	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C242	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C243*	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C244*	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C245*	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C246*	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C247*	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C248*	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C256	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
C258	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3,5	
C259	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3,5	
C260	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C261	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C262	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C263	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C264	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C265	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C266	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C267	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C268	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C269	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C270	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C271	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C272	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C273	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
C274	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C275	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C277	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C278	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C279	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C280	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C281	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C282	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C284	2401-001537	C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm	
C286	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C287	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	
C288	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C289	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C290	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C291	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C292	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C293	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C294	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C295	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C296	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C297	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C298	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
C299	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C601	2401-000711	C-AL;2200uF,20%,25V,GP,TP,16x25,7.5	
C602	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C603	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
C604	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C605	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C607	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C608	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
C609	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
C701	2401-000471	C-AL;10uF,20%,50V,BP,TP,5x11,5mm	
C702	2401-001989	C-AL;4.7uF,20%,50V,BP,TP,5x11,5	

Loc	Part-No	Description & Specification	Remarks
C703	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C705	2201-000573	C-CERAMIC,DISC;47pF,5%,50V,CH,TP,6.5x3.0	
C706	2201-000751	C-CERAMIC,DISC;39pF,5%,50V,CH,TP,5x3,5	
C713	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C714	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C715	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C716	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C718	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C719	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C720	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
C721	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C722	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C723	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C724	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C725	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C726	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C727	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C728	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C729	2401-002462	C-AL;33uF,20%,16V,GP,TP,5x11,5	
C730	2201-000962	C-CERAMIC,DISC;12pF,5%,50V,RH,TP,5x3,5mm	
C731	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C732	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	
C733	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C734	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	
C735	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C736	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C737	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C738	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C739	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	
C740	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	
C741	2202-000243	C-CERAMIC,MLC-AXIAL;33pF,5%,50V,SL,TP,3.	
C742	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C743	2201-000962	C-CERAMIC,DISC;12pF,5%,50V,RH,TP,5x3,5mm	
C744	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C745	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3,5	
C746	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C747	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
C748	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C751	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C901	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C902	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C903	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C904	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C905	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP	
C906	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C907	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C908	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C909	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C910	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C911	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C912	2201-000472	C-CERAMIC,DISC;330pF,5%,50V,SL,TP,8x3.5,	
C914	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C915	2201-000573	C-CERAMIC,DISC;47pF,5%,50V,CH,TP,6.5x3.0	
C916	2201-000193	C-CERAMIC,DISC;10pF,0.3pF,50V,CH,TP,5x3,	
C917	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C918	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C919	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C920	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C921	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C922	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C923	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C924	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C925	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
C926	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C927	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C928	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C929	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C930	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C931	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C932	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C933	2401-002288	C-AL;470uF,20%,25V,WT,TP,10x20,5	
C934	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C935	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C936	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C937	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C939	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C940	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C941	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C942	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C943	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C944	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C945	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C946	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C947	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C948	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1.	
C949	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C950	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
C951	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CF01	AA29-10002A	FILTER-COMB;-,UGL-357KNT,NTSC,ST	
CN203	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CN601	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
CN701	3711-002648	CONNECTOR-HEADER;BOX,9P,1R,2.5mm,STRAIGH	
CN903	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
CNB03	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CNB04	3711-000654	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CNB12	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
CNB15	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH	
CNH01	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGH	
CT01	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CT02	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CT03	2201-000193	C-CERAMIC,DISC;10pF,0.3pF,50V,CH,TP,5x3,	
CT04	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CT05	2201-000247	C-CERAMIC,DISC;15pF,5%,50V,CH,TP,5x3,5	
CT06	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CT07	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CT08	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
CT09	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3,5	
CT10	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
D-COIL	AA27-20002D	COIL-DEGAUSSING;-,25",14.5ohm,55T,L2770,	
D204	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
D208	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D209	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D210	0401-001024	DIODE-SWITCHING;BAW75,25V,300MA,DO-35,TP	
D601	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D901	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D902	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D903	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D904	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D906	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D907	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZ101	1203-000451	IC-VOLTAGE REGULATOR;33,TO-92,3P,-,PLAST	
DZ201	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ601	0403-000289	DIODE-ZENER;MTZ10C,10V,9.7-10.2V,500mW,D	
DZ602	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZ651	0403-000664	DIODE-ZENER;MTZ3.6A,3.6V,3.455-3.695V,50	
DZ701	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	

Loc	Part-No	Description & Specification	Remarks
DZ702	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ703	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ704	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ705	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ706	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ707	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ708	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ709	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ710	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ711	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ712	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ713	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ714	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ715	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ716	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ717	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
DZ901	0403-000297	DIODE-ZENER;MTZ6.2B,6.2V,5.96-6.27V,500m	
DZ902	0403-000355	DIODE-ZENER;UZ5.1BSB,5.1V,4.97-5.18V,500	
IC101	AA13-20004A	IC-HYBRID;-,PAP102T,SIP,6P,PRE-AMP,TP	
IC201	1204-001193	IC-CHROMA;TDA8375,DIP,56P,-,PLASTIC,8V,9	
IC203	1204-001142	IC-VIDEO SYSTEM;TDA9177,DIP,24P,-,PLASTI	
IC205*	1001-000223	IC-VIDEO SWITCH;TEA5114A,-,DIP,16P,334MI	
IC206	1001-000223	IC-VIDEO SWITCH;TEA5114A,-,DIP,16P,334MI	
IC207	1001-000223	IC-VIDEO SWITCH;TEA5114A,-,DIP,16P,334MI	
IC208	1204-000444	IC-PICTURE PROCESS;TDA9170,DIP,32P,-,PLA	
IC601	1201-001064	IC-POWER AMP;7297,ZIP,15P,-,DUAL,32DB,PL	H/SINK
IC701	1001-001031	IC-RF/VI/AUDIO S/W;1855,-,DIP,48P,-,SING	
IC901	AA13-30020V	IC-MCU;-,SZM-162A(R3856),16BIT,ST,DIP	
IC902	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	
IC903	1203-000212	IC-POSI.FIXED REG.;09RF11,TO-220,4P,-,PL	H/SINK
IC904	1203-000006	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	H/SINK
IC905	1203-000243	IC-POSI.FIXED REG.;7812A,TO-220,3P,-,PLA	H/SINK
IC906	1203-000274	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	H/SINK
IC907	1203-000006	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	H/SINK
IC908	1103-000118	IC-EEPROM;2408,1Kx8BIT,DIP,8P,300MIL,10m	
IC909	1203-000274	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	H/SINK
IC910	1203-000274	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLAS	
ICT01	1204-000455	IC-DECODER;SAA5281 P/R,DIP,48P,-,PLASTIC	
IF-CA	AA39-30007B	IF-CABLE;-,T,150mm,1365#26	
J241	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
L102	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L103	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L104	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L105	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L106	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
L107	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L108	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L109	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L110	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L111	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L112	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L113	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L114	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L115	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L116	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L117	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L118	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L119	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
L201	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
L202	2701-000299	INDUCTOR-AXIAL;13uH,10%,2.5x3.4mm	
L203	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L204	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L206	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	

Loc	Part-No	Description & Specification	Remarks
L207	2701-000180	INDUCTOR-AXIAL;33uH,5%,2.5x3.4mm	
L250	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L251	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L601	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L701	2701-000127	INDUCTOR-AXIAL;15uH,10%,2.5x3.4mm	
L705	2701-000118	INDUCTOR-AXIAL;120uH,10%,2.5x3.4mm	
L710	2701-000118	INDUCTOR-AXIAL;120uH,10%,2.5x3.4mm	
L901	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L902	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L904	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L905	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L906	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L907	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L908	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L909	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L910	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L911	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LT01	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
LT02	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
MN+SP	AA39-20105D	LEAD CONNECTOR-ASSY;-,YSH250-04,SMP250-0	
PSW+M	AA39-20010F	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,700	
Q101	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q201	0501-000245	TR-SMALL SIGNAL;BC548C,NPN,500mW,TO-92,T	
Q203	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q204	0504-000150	TR-DIGITAL;KSR2010,PNP,300mW,10K,TO-92,T	
Q205	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
Q206	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q207	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q208	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q210	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q601	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q651	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q701	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q703	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q704	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q705	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q706	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q902	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q903	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q904	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q905	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q907	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q908	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q909	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q910	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q911	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QT01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
R101	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R102	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R103	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R105	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R106	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R107	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R108	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R109	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R201	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R202	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R203	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R204	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R205	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R206	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R207	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R208	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	

Loc	Part-No	Description & Specification	Remarks
R212	2004-001914	R-METAL;39Kohm,2%,1/8W,AA,TP,1.8x3.5mm	
R215	2004-001403	R-METAL(S);7.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
R217	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
R224	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R225	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R226	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R227	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R228	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R229	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R230	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R231	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R232	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R233	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R234	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R235	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R236	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R237	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R238	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R239	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R241	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R242	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R243	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R245	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R246	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R248	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R249	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R250	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R251	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R252	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R253	2004-001987	R-METAL(S);4.3Kohm,1%,1/2W,AA,TP,2.4x6.4	
R254	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R255	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R256	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R257	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R258	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R259	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R260	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R261	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R262	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R266	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R267	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R268	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R269	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R270	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R271	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R272	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R273	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R274	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R275	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R276	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R277	2001-001035	R-CARBON;91OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R278	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R279	2001-001035	R-CARBON;91OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R280	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R281	2001-001035	R-CARBON;91OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R281*	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R282*	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R283*	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R284*	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R285*	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R286*	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R293	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R294	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R295	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R296	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R297	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
R298	2001-000454	R-CARBON;2.2MOHM,5%,1/8W,AA,TP,1.8X3.2M	
R601	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R602	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R603	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R604	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R606	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R607	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R608	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	2008-001002	R-FUSIBLE(S);0.18ohm,5%,2W,AA,TP,3.9x10m	
R610	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R651	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R652	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R653	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R706	2001-001185	R-CARBON(S);750OHM,5%,1/2W,AA,TP,2.4X6.4	
R707	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R708	2001-001185	R-CARBON(S);750OHM,5%,1/2W,AA,TP,2.4X6.4	
R709	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R710	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R711	2001-000214	R-CARBON;1.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R712	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R713	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R714	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R715	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R716	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R717	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R718	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R719	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R720	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R721	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R722	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R724	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R725	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R726	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R727	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R728	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R729	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R730	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R731	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R732	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R733	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R735	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R736	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R737	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R738	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R740	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R741	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R742	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R743	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R744	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R745	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R748	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R749	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R750	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R751	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R756	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R757	2001-001026	R-CARBON;910OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R758	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R759	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R760	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc	Part-No	Description & Specification	Remarks
R761	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R762	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R763	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R764	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R765	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R766	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R767	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R902	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R903	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R904	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R905	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R906	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R907	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R908	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R909	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R910	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R911	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R912	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R913	2001-001015	R-CARBON;9.1KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R914	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R915	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R916	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R917	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R918	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R920	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R921	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R922	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R923	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R924	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R925	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R926	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R927	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R928	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R929	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R930	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R932	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R933	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R934	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R935	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R936	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R937	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R938	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R939	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R940	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R941	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R942	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R943	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
R944	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R945	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R946	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R947	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R948	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R949	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R950	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R951	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R952	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R953	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R954	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R955	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R956	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R957	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R958	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R959	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R962	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R966	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R968	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R969	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R970	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R971	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R973	2008-000190	R-FUSIBLE(S);1.2ohm,5%,2W,AA,TP,3.9x10mm	
R974	2008-001009	R-FUSIBLE;1ohm,5%,1W,AA,TP,4.7x12.7mm	
R975	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R978	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R979	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R980	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R981	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R982	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R983	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R984	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RT01	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RT02	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT03	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT04	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT05	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT06	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT07	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT09	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT10	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT11	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RT12	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RT13	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RT14	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RT15	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT16	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT17	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT18	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RT19	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT20	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT21	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT22	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT23	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RT24	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RW701	2011-001133	R-NETWORK;33K/24K/75x3,5%,1/8W,X,SIP,6P,	
RW702	2011-001098	R-NETWORK;75/75/1K/75OHM,5%,1/8W,-,SIP,5	
SF201	2904-000253	FILTER-SAW AV;33.9MHZ,DIP10P,ST,17.1DB,P	
T201	AA26-10005G	TRANS-IF;-,7MG,VIF,150nH,7mm,8pF,74.2MH	
TU101	AA40-10005V	TUNER-F/S,LNA;TECC2979PK30A(S),PAL/B-G,T	
TU102	AA40-10005M	TUNER-V/S;TECC2879PK28A(S),PAL-B/G,TR,18	
X201	2801-003332	CRYSTAL-UNIT;4.433619MHz,30ppm,28-AAM,72	
X202	2801-000231	CRYSTAL-UNIT;3.579545MHz,30ppm,28-AAM,84	
X901	2801-003224	CRYSTAL-UNIT;32.768KHZ,20PPM,28-AAY,12.5	
XT01	2801-000214	CRYSTAL-UNIT;27MHz,40ppm,28-AAM,S,40ohm,	
Z201	2903-000181	FILTER-CERAMIC;TR,5.5MHz,-,-,-,TP,TPS5.5	
Z202	2903-000129	FILTER-CERAMIC;TR,4.5M/4.72MHZ,-,-,-,TP,	

ASSY - ACCESSORY

BATT	4301-000121	BATTERY-MN;1.5V,-,AAA,10.5x44.5m,HOLDER
RCA/CA	AA39-40001B	CABLE-RCA;-,RCA,1500mm,0.12/10,RED/WHT/Y
USER/M	AA68-11080A	MANUAL-USERS;SCT55A,RUSSIAN,TM50,B5,W/P

ASSY - CRT

CRT	AA03-10023E	CRT-COLOR;-,A62QBB791X001(DBA),+500MG,25

ASSY - PCB,POWER

Loc	Part-No	Description & Specification	Remarks
*	AA95-10011A	ASSY-PCB,POWER;CS667APTRX/BWT,SCT55A,26,	
C301	2301-000254	C-FILM,PEF;39nF,5%,50V,TP,7.5x3.5x6.5mm,	
C304	2401-000326	C-AL;100uF,20%,35V,GP,TP,8x11.5,5	
C305	2401-000326	C-AL;100uF,20%,35V,GP,TP,8x11.5,5	
C306	2201-000259	C-CERAMIC,DISC;180pF,10%,500V,Y5P,TP,6x4	
C307	2305-000285	C-FILM,MPEF;220NF,5%,100V,TP,10.5X5.5X15	
C401	2301-000313	C-FILM,PEF;8.2nF,5%,100V,TP,7x3.2x7mm,5m	
C402	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C403	2306-000330	C-FILM,MPPF;7.7nF,3%,1.6KV,TP,28.5x18.5x	
C405	2306-000330	C-FILM,MPPF;7.7nF,3%,1.6KV,TP,28.5x18.5x	
C406	2303-000225	C-FILM,PPF;33nF,5%,630V,BK,24x9x15.5mm,2	
C407	2301-001192	C-FILM,MPPF;820nF,5%,400V,TP,29x18.5x25.	
C408	2201-000291	C-CERAMIC,DISC;1nF,10%,500V,Y5P,TP,8.5x5	
C409	2401-002597	C-AL;220uF,20%,35V,GP,TP,10x12.5,5	
C410	2201-000573	C-CERAMIC,DISC;47pF,5%,50V,CH,TP,6.5x3.0	
C411	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
C412	2305-000407	C-FILM,MPEF;470nF,5%,100V,TP,-,5mm	
C415	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C416	2401-001563	C-AL;47uF,20%,400V,GP,TP,16x25mm,7.5	
C417	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C418	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C419	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C420	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C421	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C422	2401-001397	C-AL;470uF,20%,25V,GP,TP,10x16,5	
C423	2301-000213	C-FILM,PEF;220nF,5%,250V,TP,21.5x11,7.5	
C430	2401-003114	C-AL;4.7uF,20%,250V,WT,TP,10x16,5	
C431	2301-001192	C-FILM,MPPF;820nF,5%,400V,TP,29x18.5x25.	
C432	2305-000382	C-FILM,MPEF;4.7nF,5%,400V,TP,-,5mm	
C433	2201-000984	C-CERAMIC,DISC;680pF,10%,2KV,Y5P,TP,11x6	
C801	2306-000318	C-FILM,MPPF;220nF,20%,275V,TP,-,22.5mm	
C802	2306-000318	C-FILM,MPPF;220nF,20%,275V,TP,-,22.5mm	
C803	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,	
C804	2401-002288	C-AL;470uF,20%,25V,WT,TP,10x20,5	
C805	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C806	2306-000323	C-FILM,MPPF;2.2nF,5%,1.6KV,TP,28.5x15.5x	
C807	2306-000112	C-FILM,MPPF;100nF,20%,275V,BK,-,15mm	
C808	2201-000990	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,7x1	
C809	2201-000990	C-CERAMIC,DISC;4.7nF,20%,400V,Y5U,BK,7x1	
C811	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,	
C812	2201-002028	C-CERAMIC,DISC;470pF,10%,2KV,B,TP,8x6mm,	
C814*	2401-002222	C-AL;220uF,20%,450V,WT,BK,30x40,10	
C815*	2401-002222	C-AL;220uF,20%,450V,WT,BK,30x40,10	
C816	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20,5	
C817	2401-002274	C-AL;220uF,20%,35V,WT,TP,10x12.5,5	
C818	2201-000406	C-CERAMIC,DISC;270pF,10%,2KV,Y5P,TP,8x6,	
C819	2401-002251	C-AL;470uF,20%,200V,GP,BK,25x40mm,1	
C820	2401-000293	C-AL;100uF,+30-10%,200V,GP,TP,16x25,7.5	
C821	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,	
C823	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C824	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C825	2401-000164	C-AL;1000uF,20%,25V,WT,TP,12.5x20,5	
C826	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
C827	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4	
C828	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
C829	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C830	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C833	2401-000832	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
C834	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20,5	
C835	2201-000991	C-CERAMIC,DISC;560pF,10%,2KV,Y5P,TP,13x7	
CN01	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CNB03	3710-001141	CONNECTOR-SOCKET;12P,1R,2.5mm,STRAIGHT,S	
CNB04	3710-001141	CONNECTOR-SOCKET;12P,1R,2.5mm,STRAIGHT,S	
CNB13	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
D301	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D302	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
D303	0403-000494	DIODE-ZENER;MTZ39,39V,35.36-37.2V,500mW,	
D304	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
D305	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m	
D306	0403-000658	DIODE-ZENER;MTZ18A,18V,16.22-17.06V,500m	
D401	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D402	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D403	0402-000266	DIODE-RECTIFIER;RH4F,1500V,1.5A,-	
D404	0402-000542	DIODE-RECTIFIER;RU4AM,600V,2A,-	
D405	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D409	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D410	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
D411	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
D412	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
D413	0403-000300	DIODE-ZENER;MTZ8.2B,8.2V,7.78-8.19V,500m	
D415	0402-000537	DIODE-RECTIFIER;RH1A,600V,0.6A,DO-204AC	
D804*	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D805	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D806	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,-,BK	H/SINK
D807	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41	
D808	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D809	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D810	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D811	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-	
D812	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D813	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D814	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
D815	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
D816	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D817	0402-000231	DIODE-RECTIFIER;FMG-G26S,600V,4A,TO-220F	H/SINK
D818	0402-000564	DIODE-RECTIFIER;FML-G22S,200V,10A,TO-220	H/SINK
D819	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	H/SINK
D821	0402-000544	DIODE-RECTIFIER;RU4Y,100V,2A,-	
D822	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-	
D823	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500m	
D824	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D825	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D826	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D827	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D829	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1.5A,DO-15L	
D830	0403-000562	DIODE-ZENER;MTZ7.5B,7.5V,7.07-7.45V,500m	
DZ801	0403-000697	DIODE-ZENER;TZP10A,10V,9.4-10.6V,1W,DO-4	
F801M	3601-000261	FUSE-FERRULE;250V,3.15A,TIME LAG,GLASS,5	
F801M1	3602-000114	FUSE-HOLDER;-,-,30mohm	
F801M2	3602-000114	FUSE-HOLDER;-,-,30mohm	
IC301	1204-000517	IC-VERTIVAL DEF.;LA7845,SIP,7P,-,PLASTIC	H/SINK
IC401	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
IC801	AA13-20002K	IC-HYBRID;-,STR-S6709 LF953,SIP,9P,SMPS	H/SINK
IC802	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
J819	2001-000118	R-CARBON(S);180OHM,5%,1/2W,AA,TP,2.4X6.4	
L402	AA27-30003K	COIL-LINERITY;-,44uH,DR14x15,PI0.2x10,18	
L403	AA27-40003F	COIL-HORIZ,WIDTH;-,3.0MH,ER14X20,PI0.35,	
L404	AA27-40003N	COIL-HORIZ,WIDTH;-,560uH,DR15x25,USTC0.1	
L410	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L801	AA29-30002F	FILTER-LINE NOISE;-,6mH,2.45A,-,-	
L802	AA29-30002F	FILTER-LINE NOISE;-,6mH,2.45A,-,-	
L803	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L804	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L805	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	

Loc	Part-No	Description & Specification	Remarks
L806	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L808	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L809	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L811	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L812	AA27-10002L	COIL-CHOKE;-,24UH,K,-,2A,-,24UH-K,10X10M	
L813	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L815	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
L816	3301-000287	CORE-FERRITE BEAD;AA,3.5x1x6mm,1500,2400	
Q401	0502-001007	TR-POWER;KSC2073-H2,NPN,25W,TO-220,ST,6	
Q402	0502-000450	TR-POWER;2SD1887YD,NPN,1500V,800V,10A,7	H/SINK
Q404	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q405	0502-000298	TR-POWER;KSD73,NPN,30W,TO-220,-,120-240	H/SINK
Q801	0503-000153	TR-DARLINGTON;TIP102,NPN,2W,TO-220,TP,10	
Q802	AA13-20004H	IC-HYBRID;-,SE135N-LF12,TO220-LF12,3,ERR	
Q803	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
Q804	0501-000366	TR-SMALL SIGNAL;KSC2330-Y,NPN,1W,TO-92L,	
Q805	0501-000366	TR-SMALL SIGNAL;KSC2330-Y,NPN,1W,TO-92L,	
Q806	0502-000244	TR-POWER;KSA940,PNP,1.5W,TO-220,-,40-14	
R303	2001-001049	R-CARBON(S);1.3KOHM,5%,1/2W,AA,TP,2.4X6.	
R304	2001-001049	R-CARBON(S);1.3KOHM,5%,1/2W,AA,TP,2.4X6.	
R305	2008-000254	R-FUSIBLE(S);0.68ohm,5%,2W,AF,TP,3.9x10m	
R306	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
R307	2001-000016	R-CARBON(S);1OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R311	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
R402*	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
R403	2001-000037	R-CARBON(S);330OHM,5%,1/2W,AA,TP,2.4X6.4	
R404	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
R405	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
R406	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.	
R407	2004-001376	R-METAL(S);11Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R408	2004-001379	R-METAL(S);12Kohm,1%,1/2W,AA,TP,2.4x6.4m	
R409	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
R410	2004-001396	R-METAL(S);390Kohm,2%,1/2W,AA,TP,2.4x6.4	
R411	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	
R412	2001-001044	R-CARBON(S);1.1KOHM,5%,1/2W,AA,TP,2.4X6.	
R413	2001-001111	R-CARBON(S);240OHM,5%,1/2W,AA,TP,2.4X6.4	
R414*	2008-000221	R-FUSIBLE;0.47ohm,10%,1/2W,AA,TP,4.7x11m	
R415	2001-001120	R-CARBON(S);3.3OHM,5%,1/2W,AA,TP,2.4X6.4	
R416	2004-001395	R-METAL(S);330Kohm,2%,1/2W,AA,TP,2.4x6.4	
R418	2008-001002	R-FUSIBLE(S);0.18ohm,5%,2W,AA,TP,3.9x10m	
R420	2008-001005	R-FUSIBLE;0.47ohm,10%,1W,AA,TP,4.7x11.7m	
R421	2008-000221	R-FUSIBLE;0.47ohm,10%,1/2W,AA,TP,4.7x11m	
R422	2008-001019	R-FUSIBLE;0.2OHM,10%,1/2W,AA,TP,2.5X6.5M	
R423*	2008-001009	R-FUSIBLE;1ohm,5%,1W,AA,TP,4.7x12.7mm	
R424	2004-004092	R-METAL(S);52.6Kohm,1%,1/2W,AA,TP,2.5x6.	
R425	2004-001897	R-METAL(S);43.2Kohm,1%,1/2W,AA,TP,2.5x6.	
R426	2004-000698	R-METAL;3.3Kohm,1%,1/4W,AA,TP,2.4x6.4m	
R427	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
R434	2003-000993	R-METAL OXIDE(S);3.9Kohm,5%,1W,AF,TP,2.5	
R435	2001-000022	R-CARBON(S);33OHM,5%,1/2W,AA,TP,2.4X6.4M	
R448*	2008-001009	R-FUSIBLE;1ohm,5%,1W,AA,TP,4.7x12.7mm	
R457	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
R458	2003-000586	R-METAL OXIDE(S);22Kohm,5%,2W,AF,TP,4x12	
R801*	1404-001026	THERMISTOR-PTC;7OHM,20%,-,290V,25A,-,ST	
R802	2002-001012	R-COMPOSITION;8.2Mohm,10%,1/2W,AA,TP,3.7	
R803	1404-001045	THERMISTOR-NTC;4.7OHM,15%,2900K,35.0MW,T	
R804	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12	
R805	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12	
R806	2003-000462	R-METAL OXIDE(S);10Kohm,5%,2W,AA,TP,4x12	
R808	2001-001129	R-CARBON(S);330KOHM,5%,1/2W,AA,TP,2.4X6.	
R809	2001-001129	R-CARBON(S);330KOHM,5%,1/2W,AA,TP,2.4X6.	
R810*	2009-001001	R-METAL PLATE;0.12OHM,10%,5W,CL,TP,5X14X	
R811	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R812	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.	
R813	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R814	2006-001008	R-CEMENT;8.2OHM,5%,5W,CJ,TP,10.5X14X27M	
R815	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R816	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R817	2003-001093	R-METAL OXIDE(S);12Kohm,5%,2W,AF,TP,3.9x	
R818	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R819	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.	
R820	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12	
R821	2001-001144	R-CARBON(S);4.7KOHM,5%,1/2W,AA,TP,2.4X6.	
R822	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R824	2003-000590	R-METAL OXIDE(S);22ohm,5%,2W,AA,TP,4x12m	
R825	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4M	
R827	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
R828	2008-001011	R-FUSIBLE(S);0.18ohm,10%,2W,AF,TP,3.9x10	
R829	2001-001164	R-CARBON(S);56KOHM,5%,1/2W,AA,TP,2.4X6.4	
R831*	2001-000028	R-CARBON(S);100OHM,5%,1/2W,AA,TP,2.4X6.4	
R832	2001-001122	R-CARBON(S);3.9KOHM,5%,1/2W,AA,TP,2.4X6.	
R833	2001-001078	R-CARBON(S);15KOHM,5%,1/2W,AA,TP,2.4X6.4	
RL801	3501-001040	RELAY-POWER;12VDC,500mW,10A,1FormA,15mS,	
T401	AA26-50001L	HORIZ.DRIVE;-,29MH,133UH,4.5UH,EI2218S,S	
T444	AA26-30004C	TRANS-FLYBACK;-,FTR-25A004,25",135V	
T801*	AA26-20006M	TRANS-SWITCHING;-,90~260V,135V/15V/7.5V,	

ASSY - PCB,CRT

*	AA95-20010S	ASSY-PCB,CRT;CS667APTRX/BWT,SCT55A,26,22	
C501	2201-000193	C-CERAMIC,DISC;10pF,0.3pF,50V,CH,TP,5x3,	
C502	2201-000193	C-CERAMIC,DISC;10pF,0.3pF,50V,CH,TP,5x3,	
C503	2201-000193	C-CERAMIC,DISC;10pF,0.3pF,50V,CH,TP,5x3,	
C504	2306-000122	C-FILM,MPPF;100nF,5%,50V,TP,7.3x4.0x5.0m	
C505	2306-000122	C-FILM,MPPF;100nF,5%,50V,TP,7.3x4.0x5.0m	
C506	2306-000122	C-FILM,MPPF;100nF,5%,50V,TP,7.3x4.0x5.0m	
C507	2201-000379	C-CERAMIC,DISC;22nF,+80-20%,50V,Y5V,TP,8	
C508	2201-000379	C-CERAMIC,DISC;22nF,+80-20%,50V,Y5V,TP,8	
C509	2201-000379	C-CERAMIC,DISC;22nF,+80-20%,50V,Y5V,TP,8	
C510	2305-000154	C-FILM,MPEF;100nF,5%,400V,TP,21.5x6.5x11	
C511	2305-000154	C-FILM,MPEF;100nF,5%,400V,TP,21.5x6.5x11	
C512	2305-000154	C-FILM,MPEF;100nF,5%,400V,TP,21.5x6.5x11	
C513	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,	
C514	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,	
C515	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,	
C516	2401-001259	C-AL;4.7uF,20%,400V,GP,TP,10x16mm,5	
C517	2201-000969	C-CERAMIC,DISC;10nF,+80-20%,3KV,Y5V,TP,-	
C518	2401-002264	C-AL;10uF,20%,350V,GP,TP,10x20mm,5m	
C519	2401-000947	C-AL;22uF,20%,35V,GP,TP,5x11,5	
C520	2401-000689	C-AL;2200uF,20%,16V,GP,TP,13x25,5	
C521	2401-001176	C-AL;33uF,20%,25V,GP,TP,5x11,5	
CP501	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAI	
CPV01	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
CPV02	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH	
CRT+M	AA39-20032C	LEAD-CONNECTOR,ASSY;-,67096-012,S,12P,40	
CRT+P'	AA39-20025E	LEAD-CONNECTOR,ASSY;-,67096-010,S,10P,40	
CV01	2401-002459	C-AL;220uF,20%,25V,LZ,TP,10x16,5	
CV02	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3	
CV03	2306-000122	C-FILM,MPPF;100nF,5%,50V,TP,7.3x4.0x5.0m	
CV05	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CV06	2201-000144	C-CERAMIC,DISC;100pF,5%,50V,CH,TP,8x3,5	
CV07	2201-000390	C-CERAMIC,DISC;22pF,5%,50V,RH,TP,5.0x3.0	
CV08	2201-000980	C-CERAMIC,DISC;30pF,5%,50V,CH,TP,5.0x3.0	
CV09	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
CV10	2401-000430	C-AL;10uF,20%,250V,GP,TP,10x16mm,5m	

Loc	Part-No	Description & Specification	Remarks
CV11	2401-000444	C-AL;10uF,20%,25V,GP,TP,5x5mm,5mm	
CV12	2401-000444	C-AL;10uF,20%,25V,GP,TP,5x5mm,5mm	
CV13	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
CV14	2401-001527	C-AL;47uF,20%,250V,HR,TP,13x25mm,5m	
CV15	2201-000604	C-CERAMIC,DISC;56pF,+100-0%,500V,SL,TP,7	
CV16	2401-000045	C-AL;10uF,20%,160V,GP,TP,10x16,5	
CV17	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
CV18	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
CV19	2401-000404	C-AL;10uF,20%,16V,BP,TP,5x11,5	
CV20	2401-000444	C-AL;10uF,20%,25V,GP,TP,5x5mm,5mm	
CV21	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
D501	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D502	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
D503	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D504	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D505	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D506	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D507	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D508	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D509	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D510	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
D511	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D512	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D513	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
D514	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DL01	4711-001009	DELAY LINE;110nS/200KHz,3.5MHz,16.5x8x12	
DV01	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DV02	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DV03	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
DV04	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,T	
DV05	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DV06	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DV07	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DV08	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DZ501	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ503	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
DZ505	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500m	
IC501	1201-000539	IC-VIDEO AMP;6101,ZIP,9P,-,SINGLE,-,PLAS	H/SINK
IC502	1201-000539	IC-VIDEO AMP;6101,ZIP,9P,-,SINGLE,-,PLAS	H/SINK
IC503	1201-000539	IC-VIDEO AMP;6101,ZIP,9P,-,SINGLE,-,PLAS	H/SINK
IC505	AA13-20002S	IC-HYBRID;-,SPK101,SIP,6P,SPOT KILLER	
LV01	2701-001027	INDUCTOR-AXIAL;1uH,10%,14x4.5mm	
LV04	2702-000159	INDUCTOR-RADIAL;39uH,5%,6x6.4mm	
QV01	0501-000245	TR-SMALL SIGNAL;BC548C,NPN,500mW,TO-92,T	
QV02	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QV03	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QV04	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QV05	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QV06	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QV07	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,	
QV08	0502-000131	TR-POWER;2SA1011-D,PNP,1.2W,TO-220,-,60	H/SINK
QV09	0502-000153	TR-POWER;2SC2344-D,NPN,1.2W,TO-220,-,60	H/SINK
QV10	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QV11	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
R501	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R502	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R503	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R506	2001-001123	R-CARBON(S);3.9MOHM,5%,1/2W,AA,TP,2.4X6.	
R507	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R511	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R512	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R513	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R514	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R515	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R516	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.	
R517	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R518	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R519	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R520	2001-001159	R-CARBON(S);510OHM,5%,1/2W,AA,TP,2.4X6.4	
R521	2002-001008	R-COMPOSITION;1.8Kohm,5%,1/2W,AA,TP,3.7x	
R522	2002-001008	R-COMPOSITION;1.8Kohm,5%,1/2W,AA,TP,3.7x	
R523	2002-001008	R-COMPOSITION;1.8Kohm,5%,1/2W,AA,TP,3.7x	
R524	2001-000096	R-CARBON(S);1MOHM,5%,1/2W,AA,TP,2.4X6.4M	
R525	2002-001008	R-COMPOSITION;1.8Kohm,5%,1/2W,AA,TP,3.7x	
R526	2008-000278	R-FUSIBLE(S);82ohm,5%,2W,AA,TP,3.9x10mm	
R528	2001-000114	R-CARBON(S);180KOHM,5%,1/2W,AA,TP,2.4X6.	
RV01	2008-000179	R-FUSIBLE(S);10ohm,5%,1/2W,AA,TP,2.5x6.5	
RV02	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV03	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
RV04	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV05	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV06	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV07	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV08	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV09	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV10	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV11	2008-000275	R-FUSIBLE(S);560ohm,0.05,2W,AA,TP,3.9x10	
RV12	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV13	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV14	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV15	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV16	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV17	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV18	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV19	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV20	2003-001026	R-METAL OXIDE(S);180ohm,5%,2W,AF,TP,3.9x	
RV21	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV22	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
RV23	2001-001050	R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	
RV24	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,TP,2.4X6.4	
RV25	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA,TP,2.4X6.4	
RV26	2001-001050	R-CARBON(S);1.5KOHM,5%,1/2W,AA,TP,2.4X6.	
RV27	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.	
RV28	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
RV29	2001-001152	R-CARBON(S);47KOHM,5%,1/2W,AA,TP,2.4X6.4	
RV30	2003-000746	R-METAL OXIDE(S);56ohm,5%,2W,AF,TP,4x12m	
RV31	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RV32	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RV33	2003-001018	R-METAL OXIDE(S);220ohm,5%,2W,AF,TP,3.9x	
RV34	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV35	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV36	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RV37	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV38	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV39	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV40	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV42	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RV43	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
V501	3704-000114	SOCKET-CRT;14P,29.1,35.5,SN,ISH09S/BK	

ASSY - SOUND

*	AA95-40010J	ASSY-SOUND;-,CS722A,SCT55A,-,A2,SCART
C6001	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,
C6002	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,

Loc	Part-No	Description & Specification	Remarks
C6003	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C6004	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C6005	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C6006	2401-000242	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C6007	2203-000891	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,2012	
C6008	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6009	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6010	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6011	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C6012	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C6015	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C6016	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
C6018	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C6019	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6020	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6023	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6024	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C6025	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C6026	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6027	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C6028	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6029	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C6030	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
C6031	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6032	2203-000727	C-CERAMIC,CHIP;3.9nF,10%,50V,X7R,TP,2012	
C6033	2203-000727	C-CERAMIC,CHIP;3.9nF,10%,50V,X7R,TP,2012	
C6034	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6035	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6036	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6037	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6038	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6039	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6040	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6041	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6042	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6043	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C6044	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
C6045	2203-000925	C-CERAMIC,CHIP;470nF,+80-20%,50V,Y5V,TP,	
C6046	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C6047	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,	
C6048	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6049	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C6050	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6051	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C6052	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C6053	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6054	2401-000620	C-AL;2.2uF,10%,50V,GP,TP,5x11,5	
C6055	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CASE	AA63-40023A	SHIELD-CASE;-,SPTE,T0.5,SCT51A,Z70,WZ74,	
CN6003	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
CN6004	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5MM,ANG	
D6002	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
D6003	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
IC6001	1204-001498	IC-SOUND PROCESSOR;TDA9870A,DIP,64P,750M	
IC6002	1204-001047	IC-FM CIRCUIT;TDA9808,DIP,20P,-,PLASTIC,	
IC6003	1201-000407	IC-POWER AMP;7050,DIP,8P,-,SINGLE,-,PLAS	
IC6004	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
Q6001	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
Q6002	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
Q6003	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
Q6004	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
Q6005	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
R6001	2007-001071	R-CHIP;6.8KOHM,5%,1/10W,DA,TP,2012	
R6002	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R6003	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R6004	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R6006	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R6008	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R6009	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R6011	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R6012	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R6013	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
R6014	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R6015	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R6016	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R6017	2007-000642	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R6018	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R6019	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R6020	2007-000964	R-CHIP;5.1KOHM,5%,1/10W,DA,TP,2012	
R6021	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
R6022	2007-000964	R-CHIP;5.1KOHM,5%,1/10W,DA,TP,2012	
R6023	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
R6024	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R6025	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R6026	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R6027	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R6028	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R6029	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R6030	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R6031	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R6032	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R6033	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R6034	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R6035	2007-001071	R-CHIP;6.8KOHM,5%,1/10W,DA,TP,2012	
R6036	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R6037	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R6038	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
R6039	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
R6040	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R6041	2007-001071	R-CHIP;6.8KOHM,5%,1/10W,DA,TP,2012	
R6042	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R6043	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R6044	2007-001024	R-CHIP;560KOHM,5%,1/10W,DA,TP,2012	
R6045	2007-001024	R-CHIP;560KOHM,5%,1/10W,DA,TP,2012	
R6046	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
R6047	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
R6048	2001-001105	R-CARBON(S);20OHM,5%,1/2W,AA,TP,2.4X6.4M	
R6049	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
R6050	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
R6051	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R6052	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R6053	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R6054	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R6055	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R6056	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
T6001	AA26-10004E	TRANS-IF;-,7MG,VIF,-,7mm,8pF,116.7MHz,S	
X6001	2801-003316	CRYSTAL-UNIT;24.576MHZ,30PPM,28-AAM,20PF	
Z6001	2904-001010	FILTER-SAW AV;32.9~33.4MHz,SIP5P,ST,14.4	
Z6002	2904-001054	FILTER-SAW AV;38.9MHz,SIP5P,-,13.9dB,NTS	

ASSY - PCB,SECAM

*	AA95-90017S	ASSY-PCB,SECAM;-,-,SCT13B,CS,CK,-,-	
C217	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
C218	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	

Loc	Part-No	Description & Specification	Remarks
C220	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C241	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C242	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C243	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C244	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
C245	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
CN202	3711-002707	CONNECTOR-HEADER;NOWALL,9P,1R,2.5mm,ANGL	
DZ202	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
IC202	1209-000214	IC-DELAY LINE;TDA4665,DIP,16P,300MIL,PLA	
IC203	1204-000524	IC-DECODER;TDA8395P/N1,DIP,16P,-,PLASTIC	
L201	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
R233	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4	

ASSY - PCB,PIP

*	AA95-90022C	ASSY-PCB,PIP;-,CS722A,SCT55A,PAL,-,2TUNE	
CASE	AA63-40278A	SHIELD-CASE;-,SPTE,T0.5,SCT55A,CS722APT	
CNP01	3711-002710	CONNECTOR-HEADER;NOWALL,15P,1R,2.5mm,ANG	
CNP02	3711-002710	CONNECTOR-HEADER;NOWALL,15P,1R,2.5mm,ANG	
CP101	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP102	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
CP103	2203-000429	C-CERAMIC,CHIP;18pF,5%,50V,NPO,TP,2012,-	
CP104	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
CP105	2203-000717	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,3216	
CP106	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP107	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP108	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP109	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP110	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP111	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
CP112	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP114	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP115	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP116	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,	
CP117	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP120	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP121	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP125	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CP126	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP127	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP129	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,	
CP130	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
CP132	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,	
CP133	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP134	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP135	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP136	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP137	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,	
CP142	2401-000199	C-AL;1000uF,20%,6.3V,GP,TP,10x12.5,5	
CP143	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP144	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP145	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP201	2203-000325	C-CERAMIC,CHIP;12nF,10%,50V,X7R,TP,3216,	
CP203	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP204	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP205	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP206	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP207	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP208	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP209	2401-001914	C-AL;1uF,20%,50V,BP,TP,5x11,5	
CP210	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP211	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP213	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP214	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP215	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP216	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP217	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP218	2203-002085	C-CERAMIC,CHIP;56nF,10%,50V,X7R,TP,2012,	
CP219	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
CP220	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216	
CP221	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP301	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP302	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP303	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP304	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP305	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
CP306	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
DP101	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP104	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,T	
DP105	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP201	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500m	
ICP101	1204-000530	IC-PAL/NTSC DECODER;TDA9160A,DIP,32P,400	
ICP102	1204-001047	IC-FM CIRCUIT;TDA9808,DIP,20P,-,PLASTIC,	
ICP103	AA13-20004A	IC-HYBRID;-,PAP102T,SIP,6P,PRE-AMP,TP	
ICP105	1204-000635	IC-PICTURE PROCESS;SDA9189X,SOP,32P,350M	
ICP201	1002-000206	IC-A/D CONVERTER;SDA9187-2X,6BIT,SOP,28P	
LP102	2701-000219	INDUCTOR-AXIAL;820nH,10%,2.5x3.4mm	
LP103	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP104	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP105	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP201	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	
LP301	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	
QP101	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP102	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP103	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP105	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP201	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP202	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP203	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP204	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP205	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP206	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP302	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	
QP303	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP304	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
QP305	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23	
RP101	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
RP103	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP104	2007-000844	R-CHIP;3KOHM,5%,1/10W,DA,TP,2012	
RP105	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP106	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP107	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP108	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP109	2007-000830	R-CHIP;39KOHM,5%,1/10W,DA,TP,2012	
RP110	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP111	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP112	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP113	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP114	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP115	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP116	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP119	2007-000285	R-CHIP;100KOHM,5%,1/8W,DA,TP,3216	
RP122	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP123	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP124	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	

Loc	Part-No	Description & Specification	Remarks
RP125	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP126	2103-000665	VR-SEMI;20Kohm,25%,1/5W,SIDE	
RP127	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RP131	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP132	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP133	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP134	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP135	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP137	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP138	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP139	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP140	2007-000738	R-CHIP;30KOHM,5%,1/10W,DA,TP,2012	
RP143	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP201	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP202	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP203	2007-000703	R-CHIP;3.6KOHM,5%,1/10W,DA,TP,2012	
RP204	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
RP205	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
RP206	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP207	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
RP208	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP209	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP210	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
RP211	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RP212	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP213	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP215	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP216	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP217	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP301	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP303	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP304	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP307	2007-000642	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
RP308	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP309	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP310	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP311	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP312	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP313	2007-000210	R-CHIP;1.1KOHM,5%,1/10W,DA,TP,2012	
RP314	2007-000210	R-CHIP;1.1KOHM,5%,1/10W,DA,TP,2012	
RP315	2007-000210	R-CHIP;1.1KOHM,5%,1/10W,DA,TP,2012	
RP316	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
RP317	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4	
TP101	AA26-10004E	TRANS-IF;-,7MG,VIF,-,7mm,8pF,116.7MHz,S	
XP101	2801-000235	CRYSTAL-UNIT;3.579545MHz,40ppm,28-AAM,S,	
XP102	2801-000276	CRYSTAL-UNIT;4.433619MHz,40ppm,28-AAM,20	
XP301	2802-000121	RESONATOR-CERAMIC;20.48MHz,0.5%,TP,10.0x	
ZP102	2904-000253	FILTER-SAW AV;33.9MHZ,DIP10P,ST,17.1DB,P	

ASSY - PCB,POWER S/W

*	AA95-90026Z	ASSY-PCB,POWER S/W;-,767AMF,SCT55A,PAL,M	
CN801M	AA39-20052A	LEAD-CONNECTOR,ASSY;-,YBNH025-04,YSH025-	
CN802M	AA39-20005C	LEAD CONNECTOR-ASSY;-,YBNH025-03,67096-0	
CPS01	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
D801M	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
DPS01	AA96-30003A	ASSY-LED,GUIDE;-,AA61-50106A,DL-G8RGA,RE	
F802M	3601-000281	FUSE-FERRULE;250V,4A,TL,GLASS,5.2x20mm	
F802M1	3602-000114	FUSE-HOLDER;-,-,30mohm	
F802M2	3602-000114	FUSE-HOLDER;-,-,30mohm	
F803M	AA39-20176A	LEAD CONNECTOR-ASSY;-,YFH800-03,S,3(2)P,	
H-PCB	AA61-20208A	HOLDER-PCB,SUB;-,2955,HIPS,HB,BLK,-	
HC02	AA59-60001U	MODULE-REMOCON;-,ORC-50VF/SR-12V,38KHz,9	
PSW+M	AA39-20010F	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,700	
R801M	2002-001011	R-COMPOSITION;3.3Mohm,10%,1/2W,AA,TP,3.7	
RPS01	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
RPS02	2001-000037	R-CARBON(S);330OHM,5%,1/2W,AA,TP,2.4X6.4	
RPS03	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
RPS04	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
SG801	AA47-20001A	SPARK-GAP;-,ICE60,6.1MM,KS,EU,BK	
SWP02	3403-000179	SWITCH-PUSH;250V,5A,DPST,-,JPW-2104B	

ASSY - PCB,A/V SIDE

*	AA95-90027B	ASSY-PCB,A/V SIDE;-,767A,SCT55A,PAL,-,-	
CA01	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
CA02	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CA03	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
CA04	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CA05	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CA06	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CA07	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
CA08	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
CA09	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
CA10	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
CH01	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CH02	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
JA01	3722-001031	JACK-RCA;3P,3.6MM,#18,AU	
JA02	3722-001163	JACK-VHS;11P,12mm,AU,BLK,N	
JKH01	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
NA01	AA39-20112C	LEAD-CONNECTOR,ASSY;-,YBNH025-09,67096-0	
NH01	AA39-20069F	LEAD CONNECTOR-ASSY;-,67096-005,YBNH025-	
RA01	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RA02	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RA03	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA05	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RA07	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RH01	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH02	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RH03	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
RH04	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	

ASSY - PCB,SNAP IN

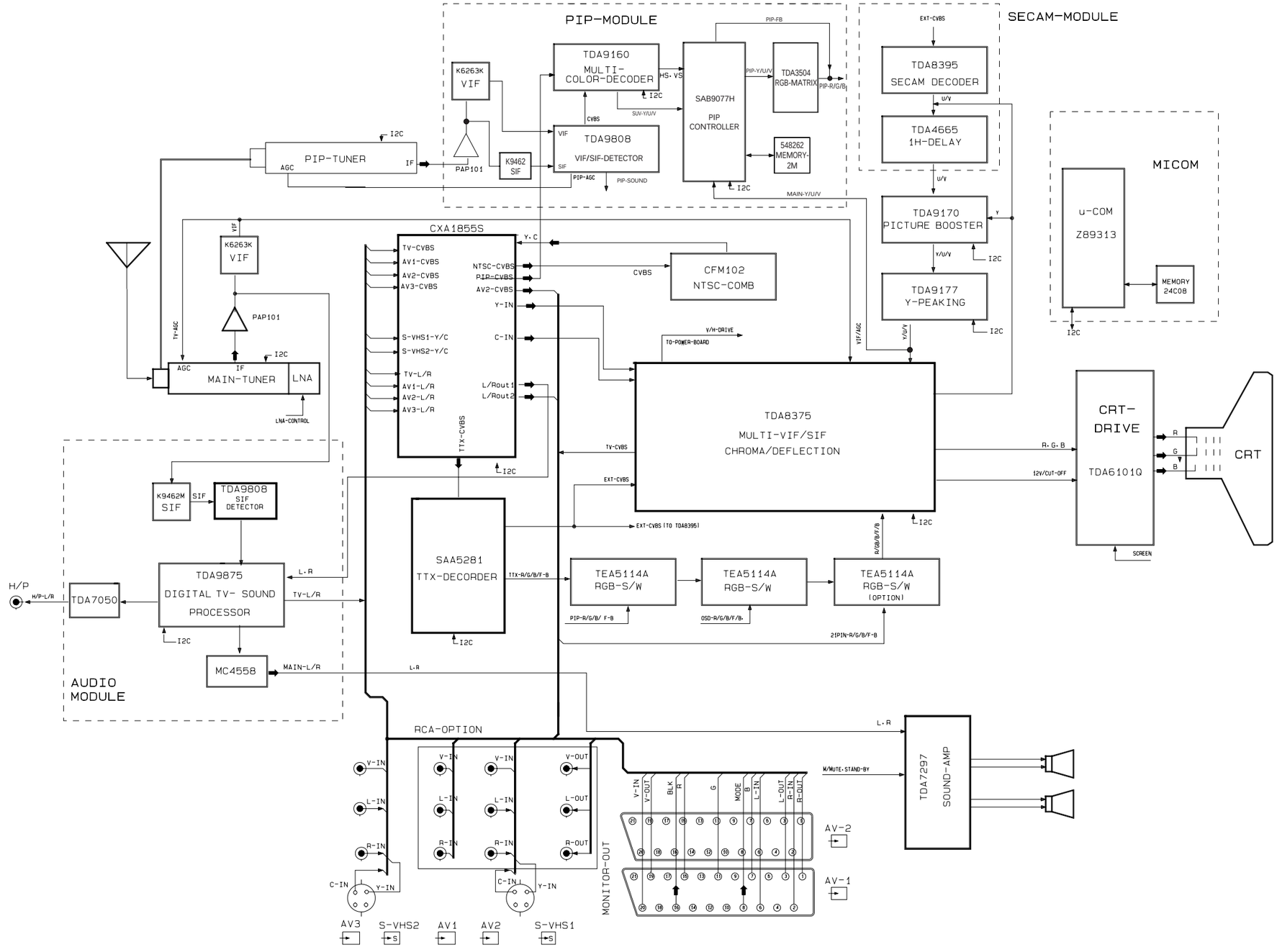
*	AA95-90036E	ASSY-PCB,SNAP IN;-,CS667APT,SCT55A,PAL-E	
CNB12	AA39-20523A	LEAD CONNECTOR-ASSY;-,YBNH025-05,67096-0	
RC03	2001-001099	R-CARBON(S);2.7KOHM,5%,1/2W,AA,TP,2.4X6.	
RC04	2001-001099	R-CARBON(S);2.7KOHM,5%,1/2W,AA,TP,2.4X6.	
RC05	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RC06	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RC07	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
RC08	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RC09	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
SWC01	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC02	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC03	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC04	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC05	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC06	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
SWC07	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	

ASSY - DRAWER

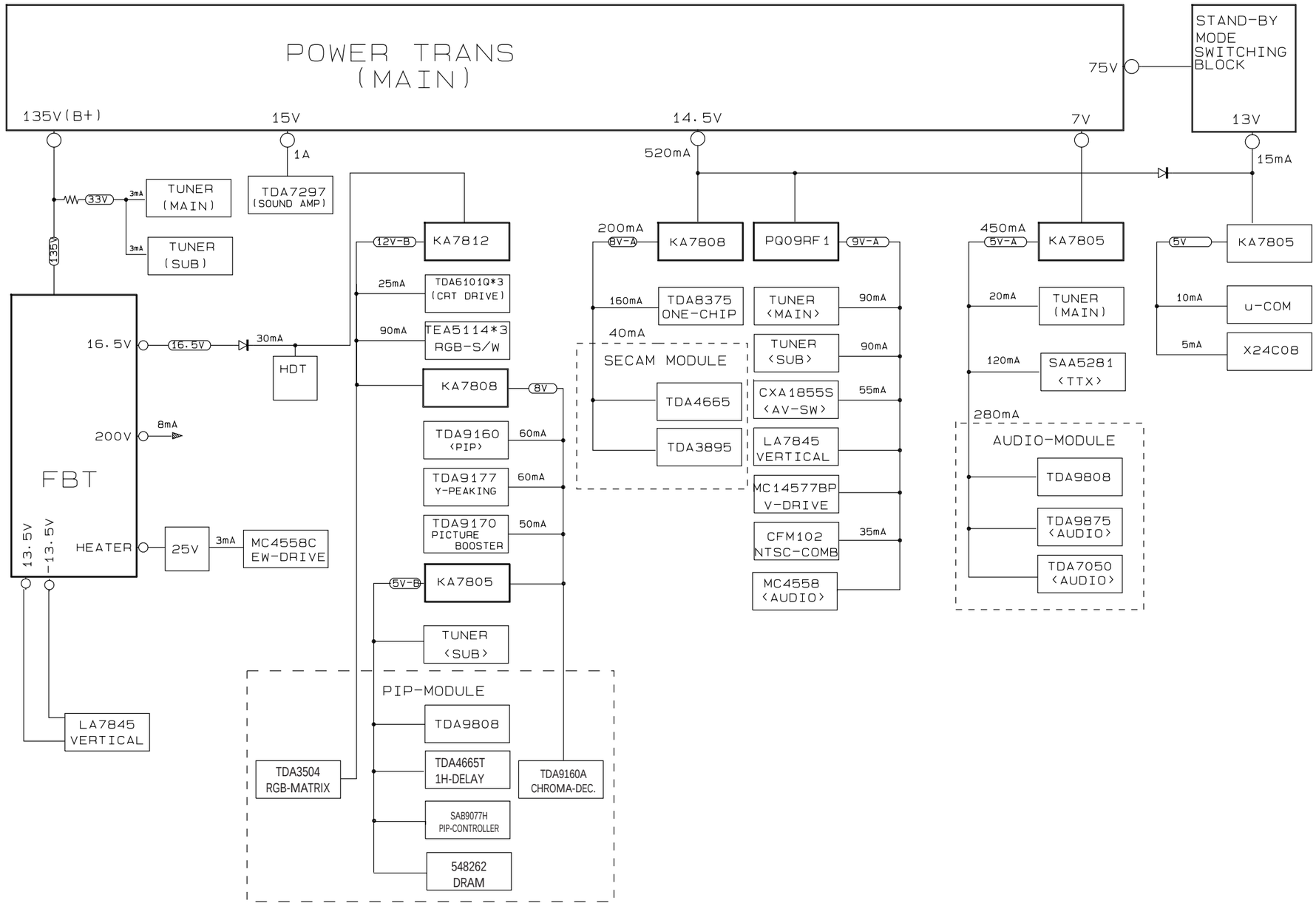
Loc	Part-No	Description & Specification	Remarks
	*AA91-20064G	ASSY-DRAWER;-,-,SCT55A L/GRAY,667A	
		ASSY - POWER,CORD	
*	AA96-20109A	ASSY-POWER,CORD;-,CP2/NO(4.0),H/C400,KKP	
P/CORI	AA39-10006X	POWER-CORD;-,KKP419C,KLCE-2F,2.286MT,3P,	
HOLDE	AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	
		REMOCON	
*	AA59-10079S	REMOCON;-,TM50,RM136EU,51,L/GRAY,SS	
		ASSY - TERMINAL,BOARD	
*	AA91-80054D	ASSY-TERMINAL,BOARD;-,-,-,-,21P W/O HP,P	
TER/B	AA63-40254A	TERMINAL-BOARD,ANT;-,HIPS HB,BLK SCT55A,	
IN-BA	AA64-60395F	INLAY-BACK;622A,PV3 SCART,PS,T0.5,BLK,-,	
		ASSY - CABINET	
*	AA91-10356B	ASSY-CABINET,FRONT;-,CS667APTR,DG703P BW	
CF+AV	6002-000514	SCREW-TAPPING;RH,+,2,M4,L15,ZPC(BLK),SWR	
CF+SPI	6002-000514	SCREW-TAPPING;RH,+,2,M4,L15,ZPC(BLK),SWR	
CF+DE	6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
SCREW	6003-001023	SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SW	
CF+CR	AA60-10050R	SCREW-ASSY;WC,HH,+,M5,L31.5,SWRCH18A,ZPC	
CB+TEI	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
CF+CB	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
TER+R	AA60-10050T	SCREW-TAPPING;RH,+,2S,M4,L20,ZPC(BLK),SW	
H/CHAS	AA61-20207A	HOLDER-CHASSIS;-,2955,ABS,V0,GRY,-	
BOSS-V	AA61-40010A	BOSS-WING;-,HIPS,HB,NTR,-,-	
SPACE	AA63-60004G	SPACER-GUM,CRT;NTR RUBBER,T3.0,GRY,-,-,-	
FRONT	AA64-31158B	CABINET-FRONT;-,CS667APTR,DG703P BWT,HIP	
BACK	AA64-31159D	CABINET-BACK;-,667A,-,HIPS,V2,BLK,-,-	
IN-AV	AA64-60423M	INLAY-AV;667A,SCT55A L/GRY,PS,T0.3,BLK,	
BADGE	AA64-70117A	BADGE-BRAND;AL,SS,FLAT,L65,SILVER,-,-	
D-COIL	AA65-30004A	CLAMP-D,COIL;NYLON-66,V0,WHT,25,29INCH,-	
C/CORI	AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-,-	
C/D,CO	AA65-30017A	CLAMP-D,COIL;NYLON-66,V0,NTR,DADH300,25	
		DECORATION - ASSY	
	*AA64-40486B	DECORATION-ASSY;-,CS667APTR,DG703P,ABS,H	
SPRIN	AA61-60005K	SPRING-CS;-,SUS304,0.6,OD12.2,H13,N4,-,-	
KNOPO	AA64-10711B	KNOB-POWER;-,767A,MS,PC,-,VIOLET	
WIN/RE	AA64-40458A	WINDOW-REMOCON;-,307A,-,PC,VIOLET,-,-	
INDLE	AA64-40459A	INDICATOR-LED;-,307A,-,ABS,LG02431,-,-	
DECOR	AA64-40478B	DECORATION-FRONT;-,CS667APTR,BWT L/GRY,A	
		ASSY - SPEAKER	
	*AA96-10152A	ASSY-SPEAKER;-,16ohm,5W,000280,20505H,R9	
SPK	3001-000280	SPEAKER;5W,16ohm,90dB,150Hz	
LEAD/C	AA39-20505H	LEAD CONNECTOR-ASSY;-,YSH025-04,REC,4P,9	

9. Block Diagrams

9-1 Main

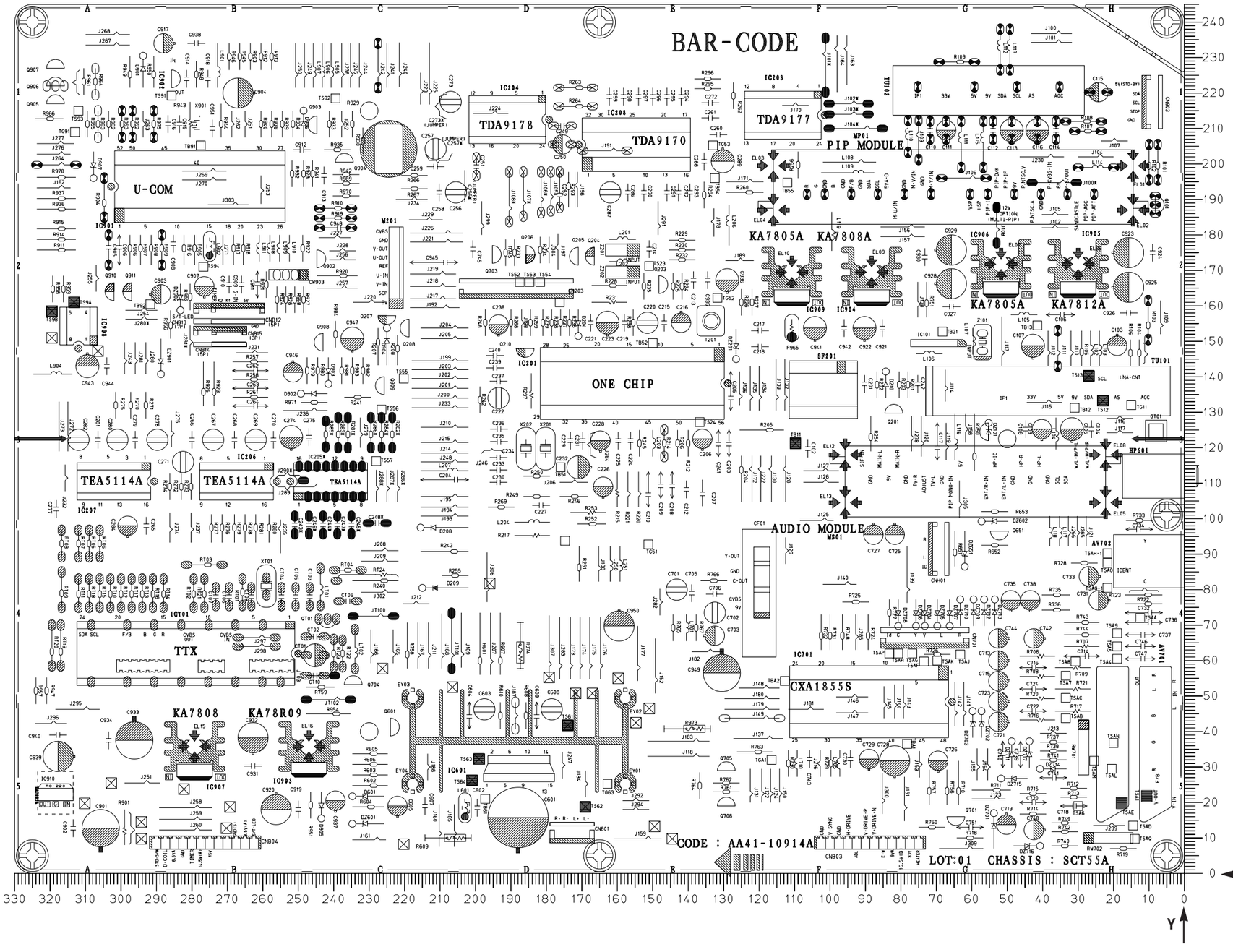


9-2 POWER


POWER TRANS
(MAIN)
135V(B+)
15V
1A
14.5V
520mA
7V
75V
STAND-BY
MODE
SWITCHING
BLOCK
13V
15mA
TUNER
(MAIN)
3mA
33V
TUNER
(SUB)
3mA
TDA7297
(SOUND AMP)
135V
16.5V
16.5V
30mA
HDT
200V
8mA
FBT
13.5V
-13.5V
HEATER
25V
3mA
MC4558C
EW-DRIVE
LA7845
VERTICAL
12V-B
KA7812
25mA
TDA6101Q*3
(CRT DRIVE)
90mA
TEA5114*3
RGB-S/W
KA7808
8V
TDA9160
(PIP)
60mA
TDA9177
Y-PEAKING
60mA
TDA9170
PICTURE
BOOSTER
50mA
5V-B
KA7805
TUNER
(SUB)
PIP-MODULE
TDA9808
TDA4665T
1H-DELAY
SAB9077H
PIP-CONTROLLER
548262
DRAM
TDA3504
RGB-MATRIX
TDA9160A
CHROMA-DEC.
200mA
8V-A
KA7808
PQ09RF1
9V-A
160mA
TDA8375
ONE-CHIP
40mA
SECAM MODULE
TDA4665
TDA3895
TUNER
(MAIN)
90mA
TUNER
(SUB)
90mA
CXA1855S
(AV-SW)
55mA
LA7845
VERTICAL
MC14577BP
V-DRIVE
CFM102
NTSC-COMB
35mA
MC4558
(AUDIO)
450mA
5V-A
KA7805
20mA
TUNER
(MAIN)
120mA
SAA5281
(TTX)
280mA
AUDIO-MODULE
TDA9808
TDA9875
(AUDIO)
TDA7050
(AUDIO)
5V
KA7805
10mA
u-COM
5mA
X24C08

10. PCB Layout

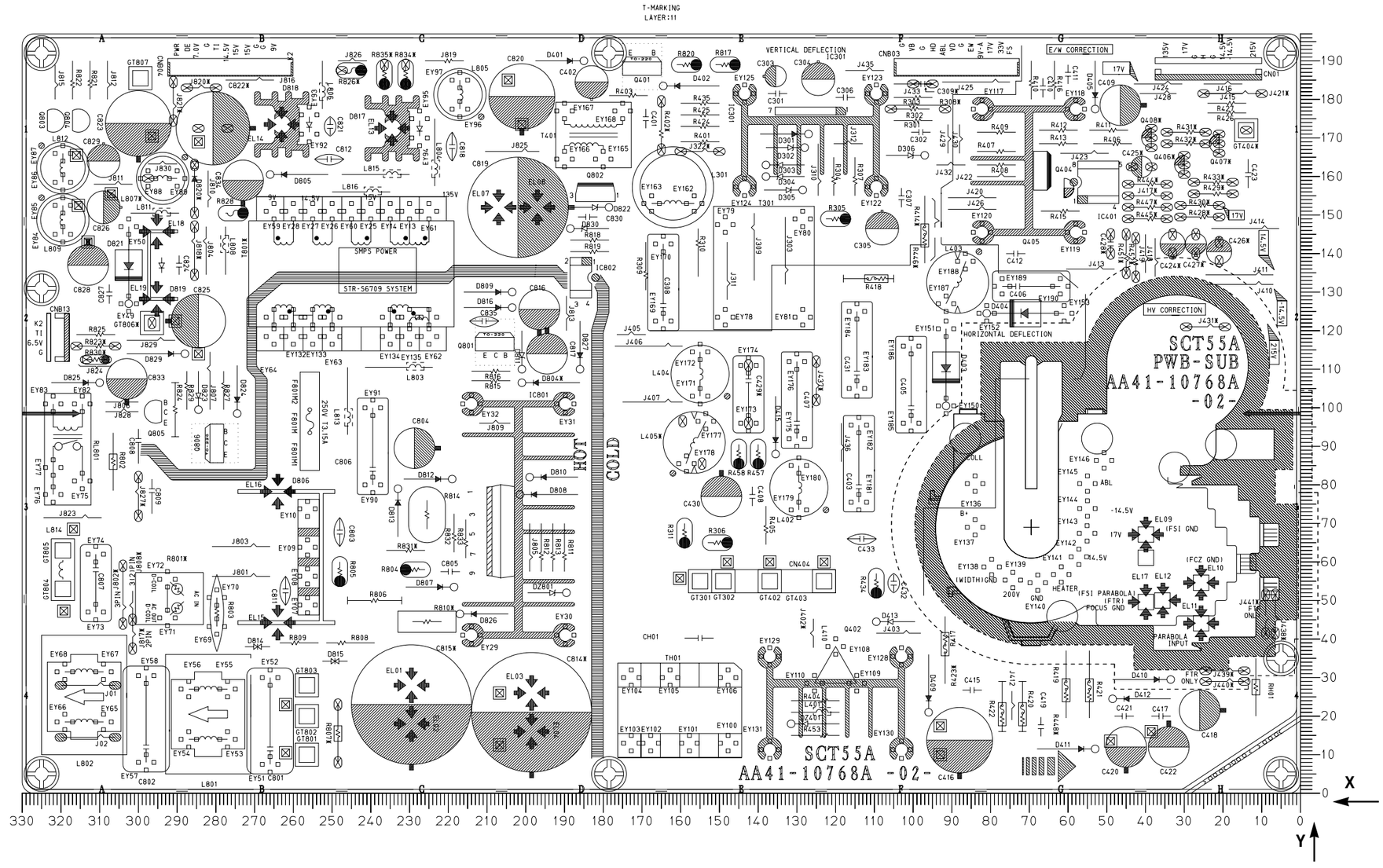
10-1 PWB-MAIN



Loc. No.	X	Y
DIODE		
D204	171	151
D208	215	97
D209	215	80
D210	84	141
D601	234	21
D901	293	230
D902	249	135
D903	241	138
D904	225	153
D905	243	15
D906	248	215
D907	307	196
DZ101	55	127
DZ201	126	145
DZ601	234	14
DZ602	57	99
DZ651	62	86
DZ701	53	17
DZ702	57	45
DZ703	59	45
DZ704	73	69
DZ705	69	69
DZ706	75	69
DZ707	66	69
DZ708	80	69
DZ709	59	77
DZ710	63	77
DZ711	48	37
DZ712	56	77
DZ713	53	77
DZ714	40	29
DZ715	51	26
DZ716	40	7
DZ717	43	37
DZ901	288	140
DZ902	283	158
IC		
IC101	63	149
IC201	131	130
IC203	103	208
IC204	181	206
IC205*	249	114
IC206	258	106

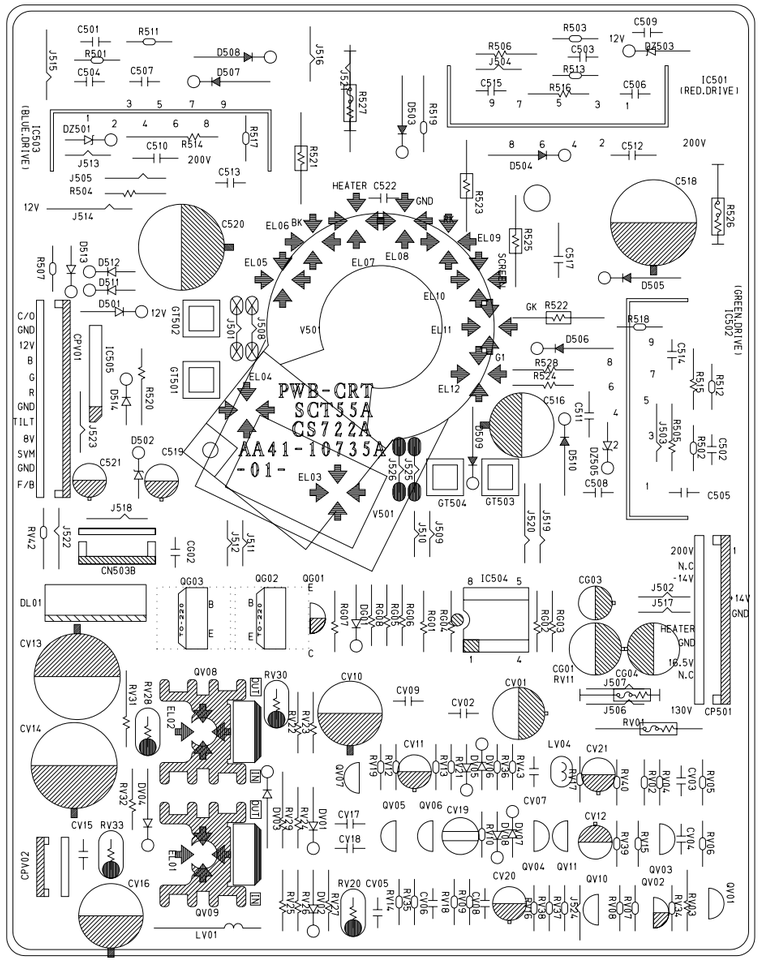
Loc. No.	X	Y
IC207	293	106
IC208	168	211
IC601	157	25
IC701	68	40
IC901	300	201
IC902	285	221
IC903	247	35
IC904	88	169
IC905	30	171
IC906	51	171
IC907	279	35
IC908	316	150
IC909	110	169
IC910	316	22
ICT01	252	54
TRANSISTOR		
Q101	8	186
Q201	79	129
Q203	148	163
Q204	166	176
Q205	171	176
Q206	185	172
Q207	227	157
Q208	218	156
Q210	188	148
Q601	224	38
Q651	54	96
Q701	67	16
Q703	195	172
Q704	232	53
Q705	126	29
Q706	126	19
Q902	244	170
Q903	244	213
Q904	234	200
Q905	316	217
Q906	316	222
Q907	316	227
Q908	243	152
Q909	225	140
Q910	302	166
Q911	297	166
QT01	244	71

10-2 PWB-SUB

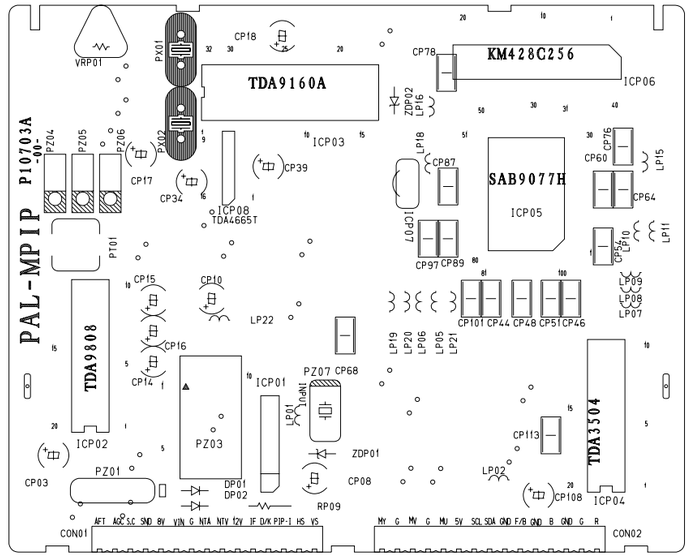


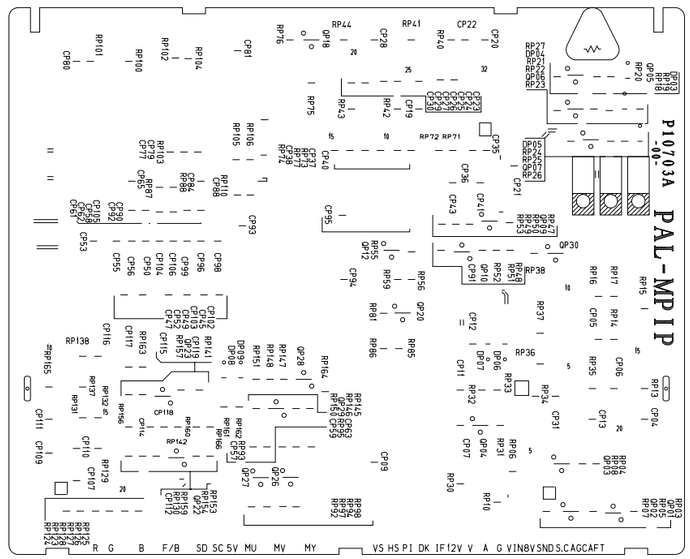
Loc. No.	X	Y	Loc. No.	X	Y
DIODE					
			D819	294	134
D301	127	171	D820*	285	163
D302	128	167	D821	302	127
D303	138	163	D822	178	152
D304	138	160	D823	284	99
D305	128	156	D824	274	98
D306	97	165	D825	310	106
D401	185	190	D826	217	46
D402	164	183	D827	186	110
D403	91	100	D829	288	114
D404	81	124	D830	188	146
D405	53	177	DZ401	131	18
D409	96	21	DZ801	189	52
D410	33	29	**IC**		
D411	53	11	IC301	143	181
D412	48	24	IC401	56	163
D413	109	44	IC801	214	41
D415	135	88	IC802	184	129
D804*	201	106	**TRANSISTOR**		
D805	266	160	Q401	167	188
D806	264	78	Q402	137	35
D807	218	53	Q404	61	154
D808	201	77	Q405	58	177
D809	203	130	Q406*	30	165
D810	199	82	Q407*	21	171
D811	201	110	Q408*	38	172
D812	219	81	Q801	205	117
D813	233	79	Q802	179	155
D814	273	38	Q803	322	172
D815	253	34	Q804	315	172
D816	203	126	Q805	295	101
D817	234	172	Q806	280	93
D818	263	173			

10-3 PWB-CRT

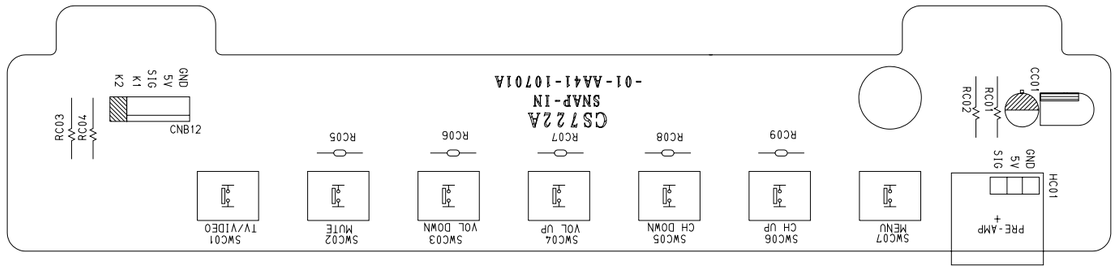


10-4 PWB-PIP

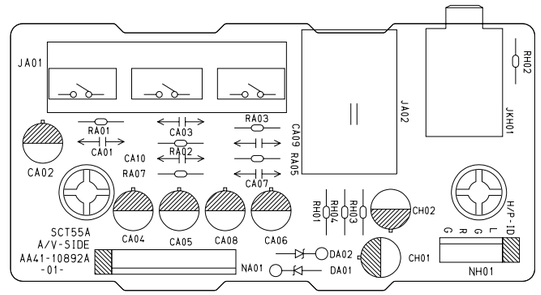




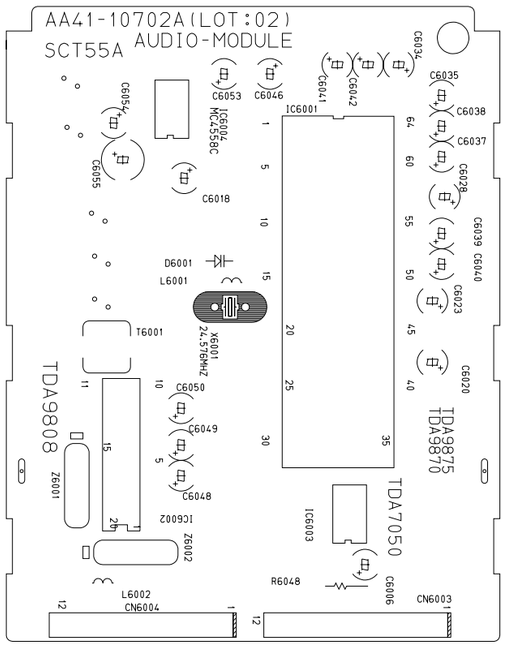
10-5 SNAP-IN

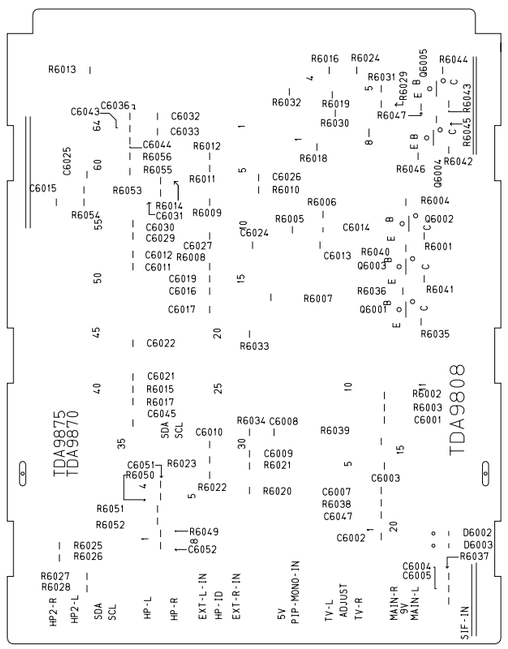


10-6 PWB A/V SIDE

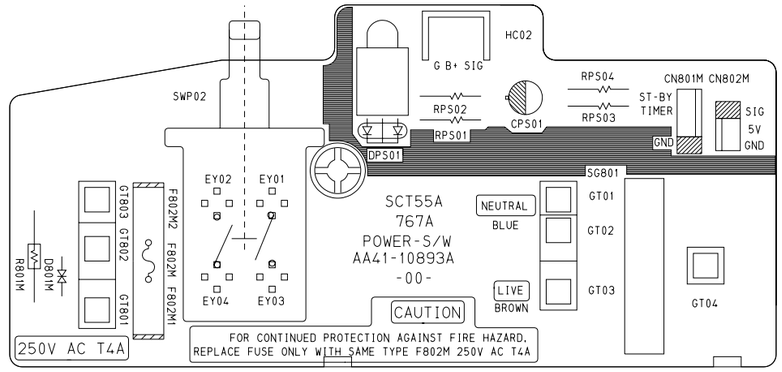


10-7 AUDIO-MODULE

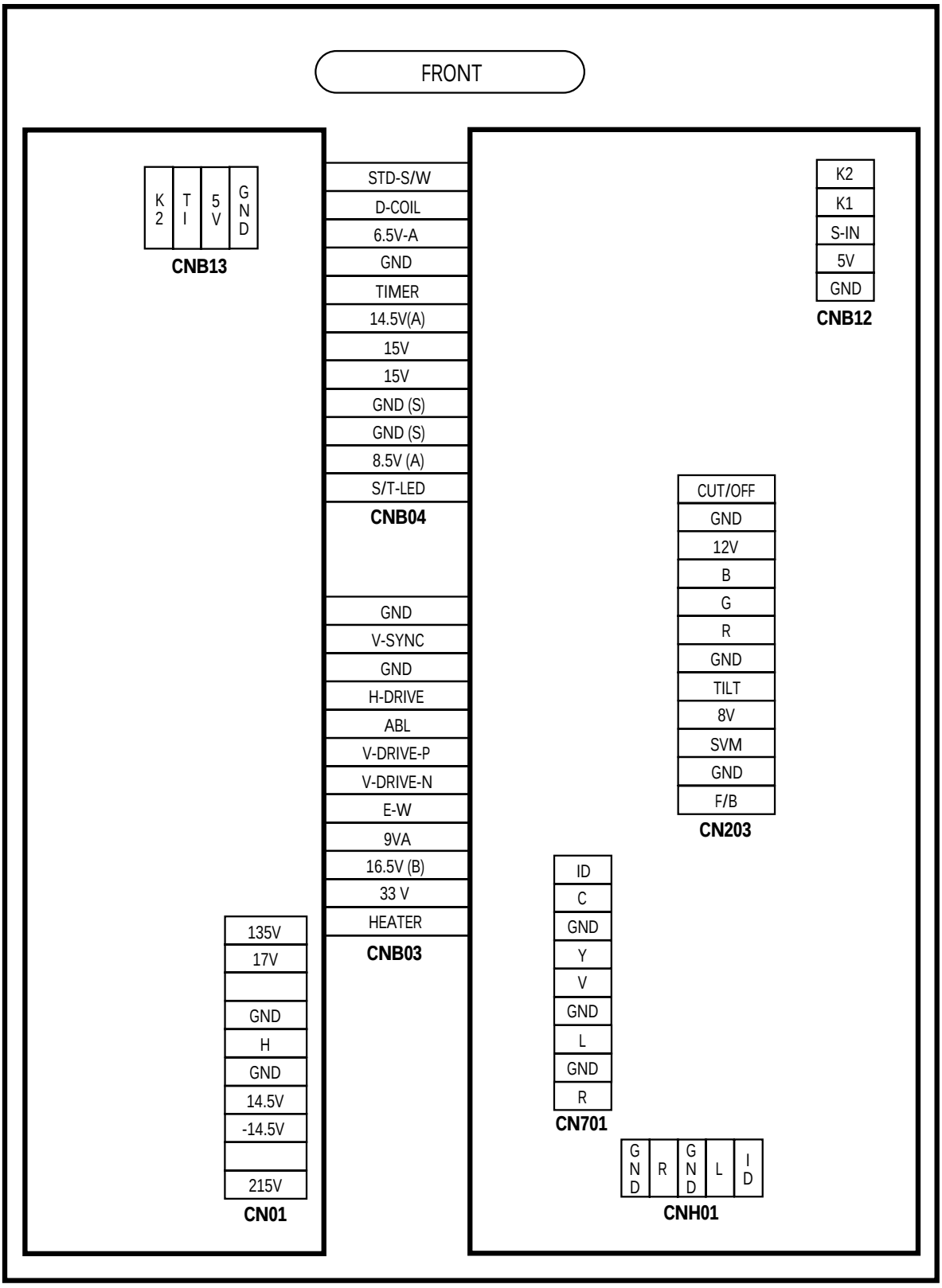




10-8 POWER-S/W

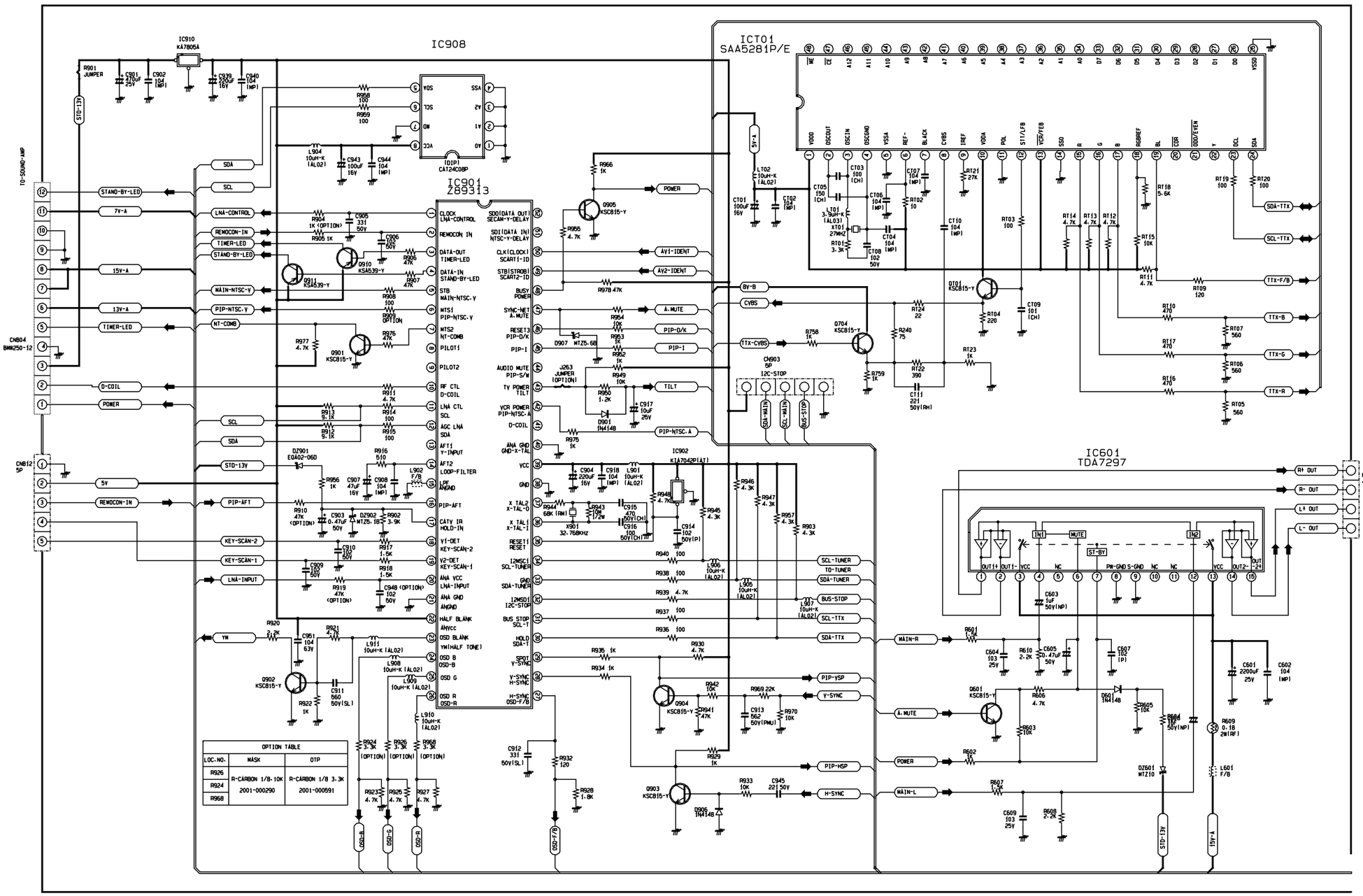


11. Wiring Diagram

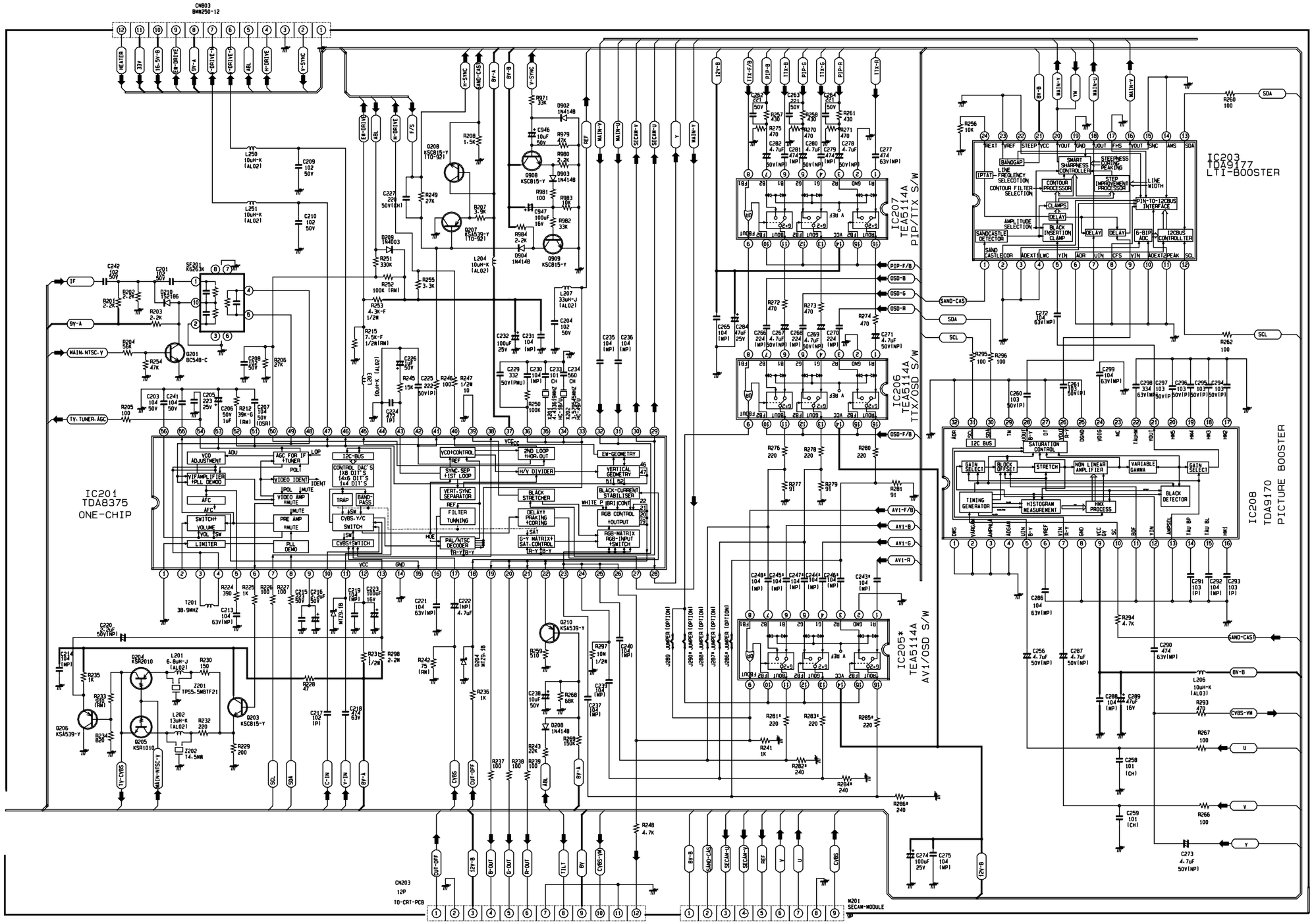


12. Schematic Diagrams

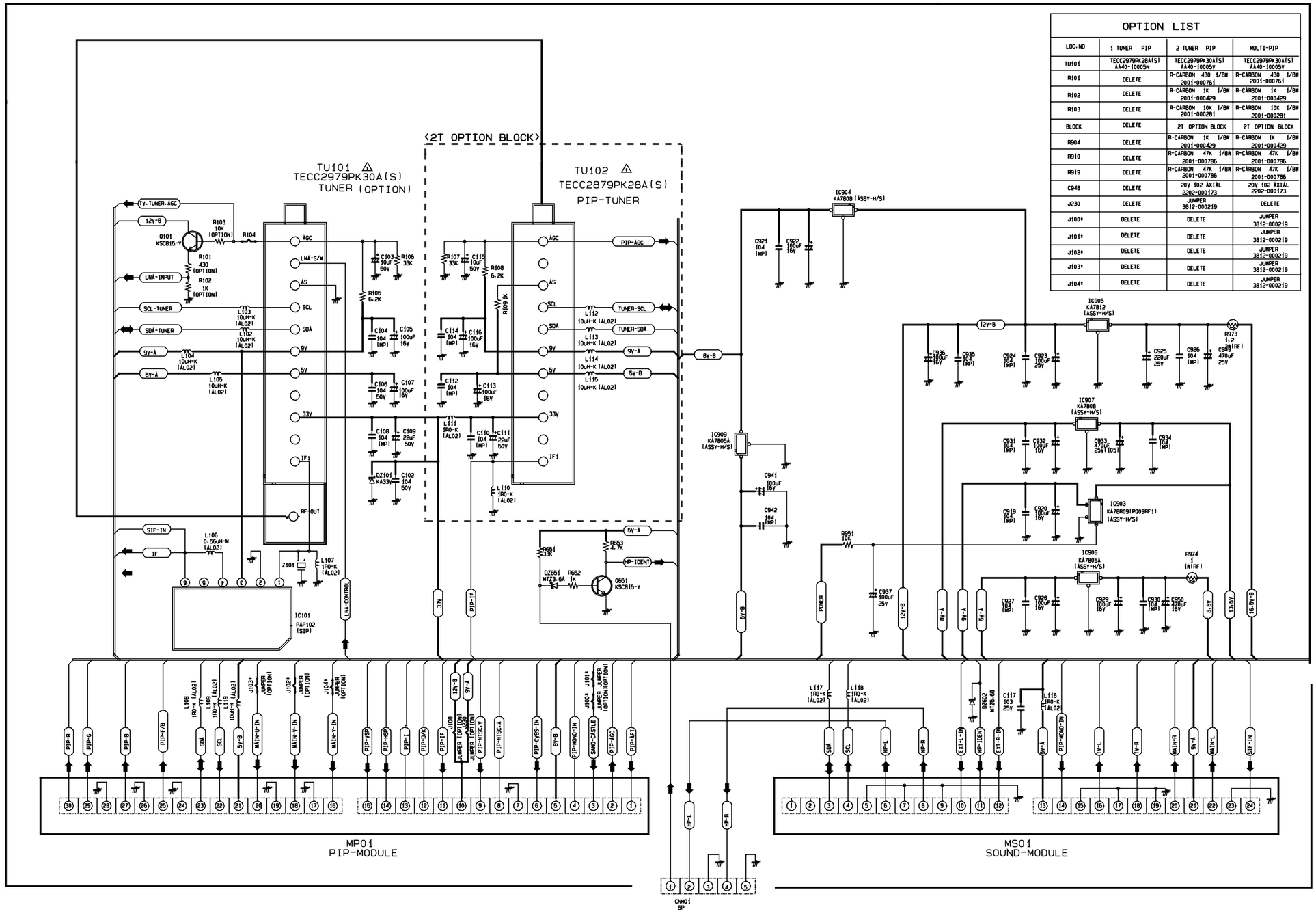
12-1 PWB-MAIN (1/4)



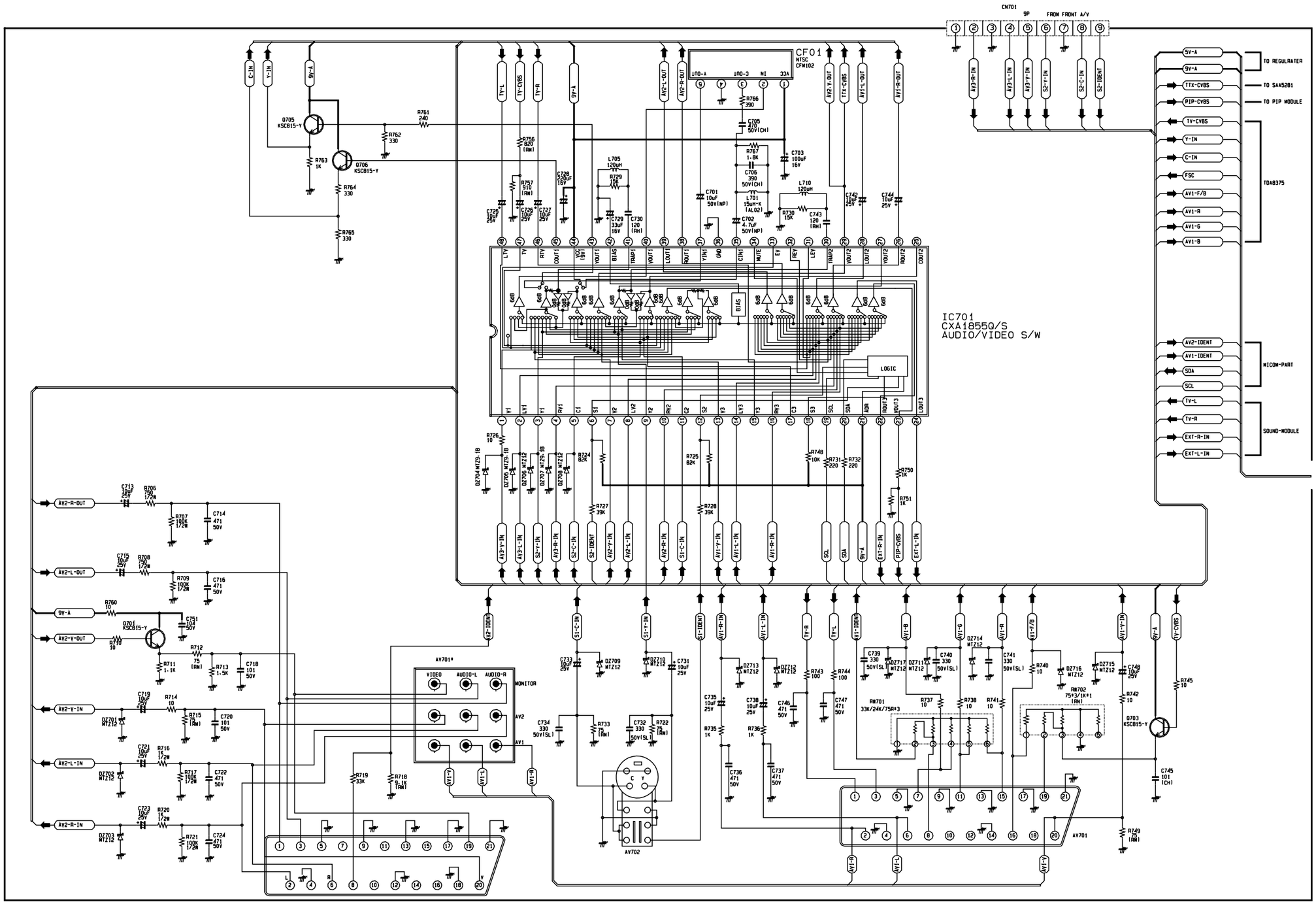
11-2 PWB-MAIN (2/4)



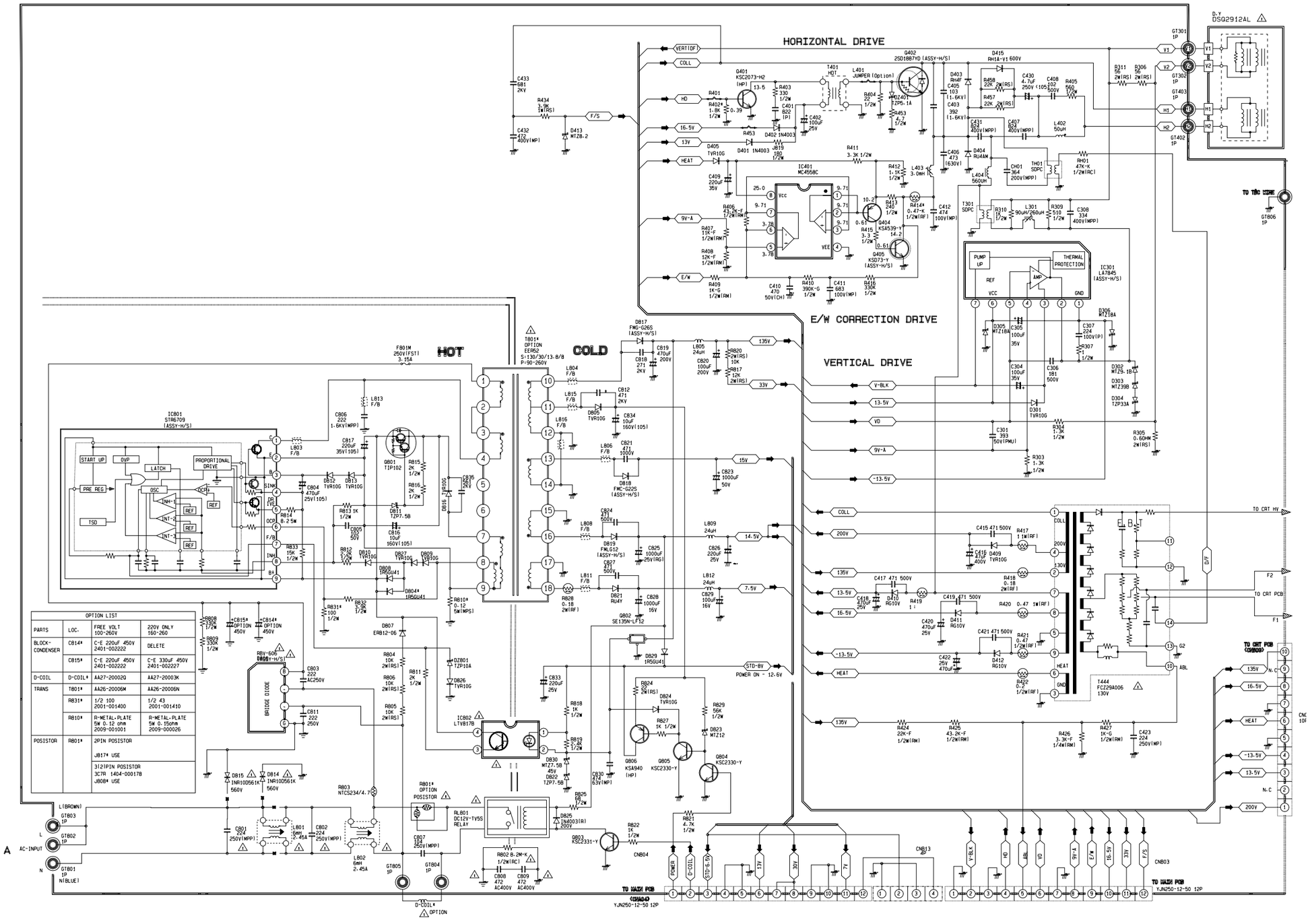
11-3 PWB-MAIN (3/4)


OPTION LIST
LOC.NO | 1 TUNER PIP | 2 TUNER PIP | MULTI-PIP
TU101 | TECC2979PK28A(S) AA40-00005N | TECC2979PK30A(S) AA40-00005Y | TECC2979PK30A(S) AA40-00005Y
R101 | DELETE | R-CARBON 430 1/8W 2001-000761 | R-CARBON 430 1/8W 2001-000761
R102 | DELETE | R-CARBON 1K 1/8W 2001-000429 | R-CARBON 1K 1/8W 2001-000429
R103 | DELETE | R-CARBON 10K 1/8W 2001-000281 | R-CARBON 10K 1/8W 2001-000281
BLOCK | DELETE | 2T OPTION BLOCK | 2T OPTION BLOCK
R904 | DELETE | R-CARBON 1K 1/8W 2001-000429 | R-CARBON 1K 1/8W 2001-000429
R910 | DELETE | R-CARBON 47K 1/8W 2001-000786 | R-CARBON 47K 1/8W 2001-000786
R919 | DELETE | R-CARBON 47K 1/8W 2001-000786 | R-CARBON 47K 1/8W 2001-000786
C948 | DELETE | 20V 102 AXIAL 2202-000173 | 20V 102 AXIAL 2202-000173
J230 | DELETE | JUMPER 3812-000219 | DELETE
J100* | DELETE | DELETE | JUMPER 3812-000219
J101* | DELETE | DELETE | JUMPER 3812-000219
J102* | DELETE | DELETE | JUMPER 3812-000219
J103* | DELETE | DELETE | JUMPER 3812-000219
J104* | DELETE | DELETE | JUMPER 3812-000219
<2T OPTION BLOCK>
TU101 ⚠ TECC2979PK30A(S) TUNER (OPTION)
TU102 ⚠ TECC2879PK28A(S) PIP-TUNER
IC904 KA7808 (ASSY-M/S)
IC905 KA7812 (ASSY-M/S)
IC907 KA7808 (ASSY-M/S)
IC909 KA7805A (ASSY-M/S)
IC903 KA78R09(PQ09RF1) (ASSY-M/S)
IC906 KA7805A (ASSY-M/S)
IC101 PAP102 (SIP)
MP01 PIP-MODULE
MS01 SOUND-MODULE
CN901 5P

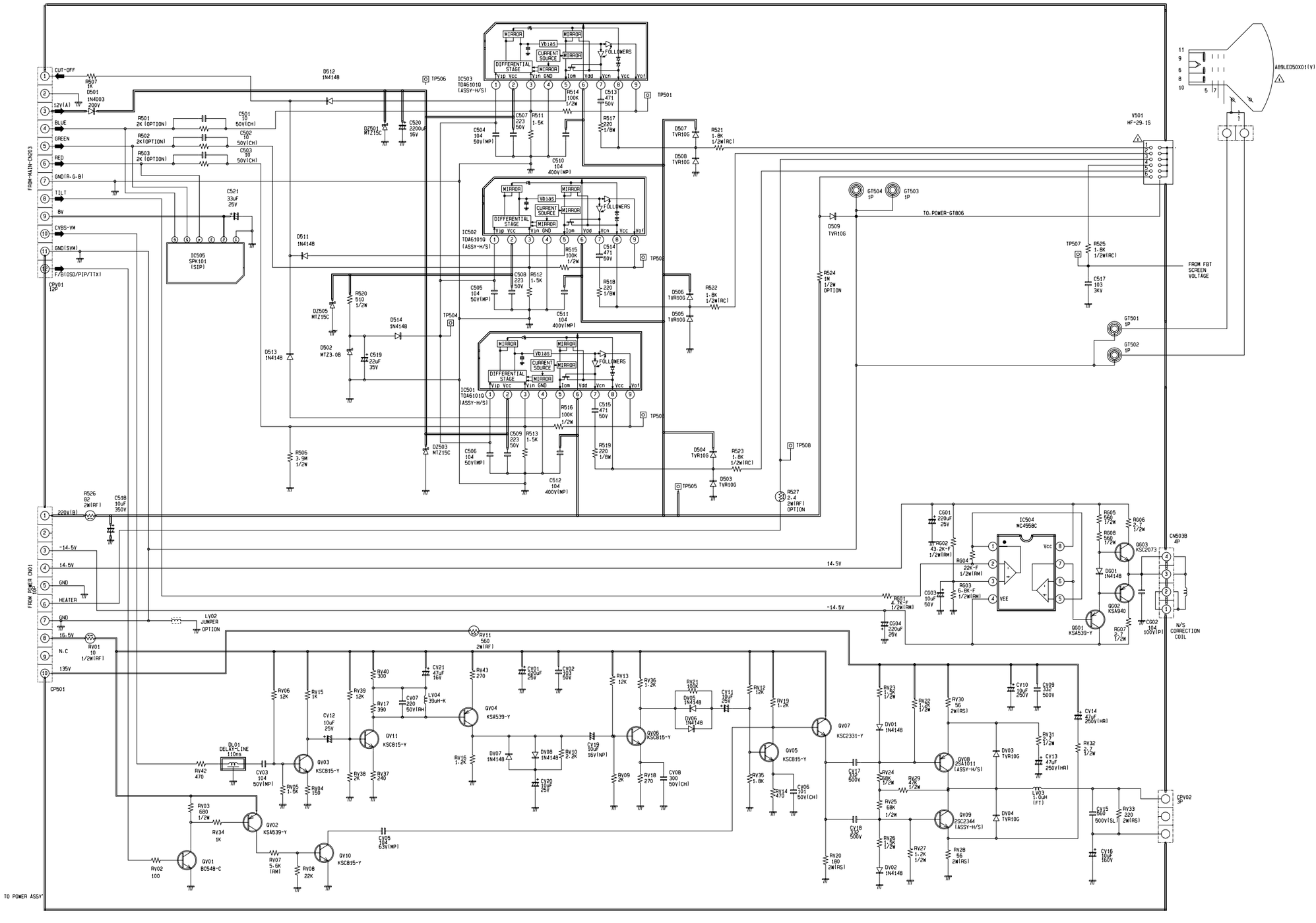
12-4 PWB-MAIN (4/4)



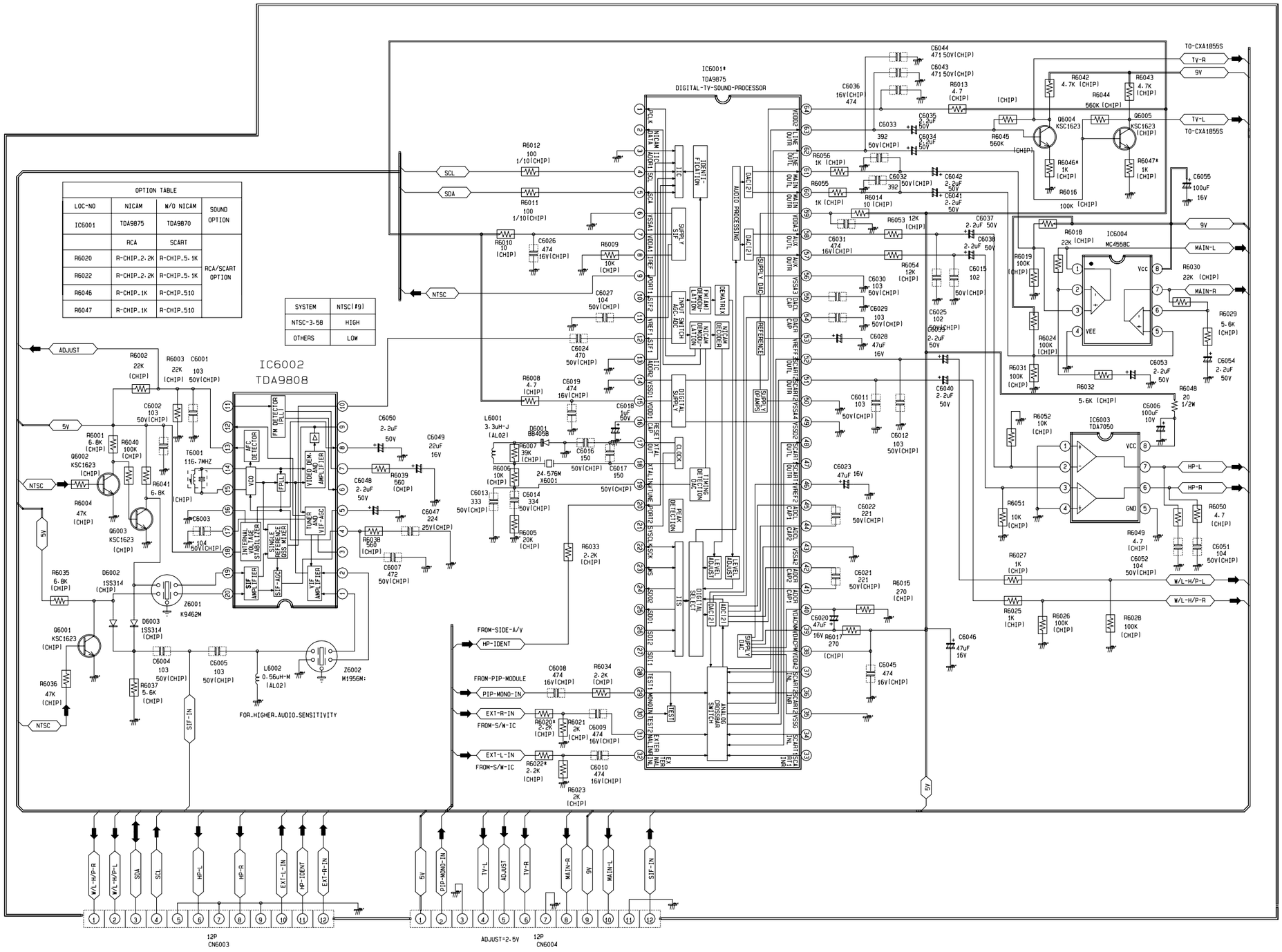
12-5 POWER


HORIZONTAL DRIVE
E/W CORRECTION DRIVE
VERTICAL DRIVE
HOT
COLD
IC801 STR6709 (ASSY-H/S)
IC401 MC4558C
IC802 LTV817B
IC301 LA7845 (ASSY-H/S)
Q401 KSC2073-H2 (HP)
Q402 2SD1887YD (ASSY-H/S)
Q403 RJ4AM
Q404 KSA539-Y
Q405 KSD73-Y (ASSY-H/S)
Q801 T1P102
Q802 SE135N-LF12
Q803 KSC2331-Y
Q804 KSC2330-Y
Q805 KSC2330-Y
Q806 KSA940 (HP)
D415 RH1A-V1 600V
D403 RH4F
D404 RJ4AM
D409 TVR10G
D410 RG10V
D411 RG10V
D412 RG10V
D301 TVR10G
D305 MTZ18A
D306 MTZ18A
D302 MTZ9.1B
D303 MTZ39B
D304 TZP33A
D801 TZP10A
D826 TVR10G
D827 TVR10G
D828 TVR10G
D829 1R5GU41
D830 MTZ7.5B
D822 TVR10G
D823 MTZ12
D824 TVR10G
D807 ERB12-06
D808 1R5GU41
D809 TVR10G
D810 TVR10G
D811 TZP7.5B
D812 TVR10G
D813 TVR10G
D814 1NR100561K
D815 1NR100561K
D816 TVR10G
D817 FMG-G26S (ASSY-H/S)
D818 FMC-G22S (ASSY-H/S)
D819 FMLG12 (ASSY-H/S)
D820 TZP5.1A
D821 RU4Y
D822 TZP7.5B
D823 IN4003(RA)
D824 TVR10G
D825 IN4003(RA)
D826 TVR10G
D827 TVR10G
D828 1000uF 16V
D829 1R5GU41
D830 MTZ7.5B
D831 TVR10G
D832 1N4003
D833 220uF 25V
D834 10uF 160V(105)
D835 561 2KV
DB01 TVR10G
DB02 TVR10G
DB03 TVR10G
DB04 TVR10G
DB05 TVR10G
DB06 TVR10G
DB07 TVR10G
DB08 TVR10G
DB09 TVR10G
DB10 TVR10G
DB11 TVR10G
DB12 TVR10G
DB13 TVR10G
DB14 TVR10G
DB15 TVR10G
DB16 TVR10G
DB17 FMG-G26S (ASSY-H/S)
DB18 FMC-G22S (ASSY-H/S)
DB19 FMLG12 (ASSY-H/S)
DB20 TVR10G
DB21 RU4Y
DB22 TVR10G
DB23 TVR10G
DB24 TVR10G
DB25 TVR10G
DB26 TVR10G
DB27 TVR10G
DB28 TVR10G
DB29 TVR10G
DB30 TVR10G
DB31 TVR10G
DB32 TVR10G
DB33 TVR10G
DB34 TVR10G
DB35 TVR10G
DB36 TVR10G
DB37 TVR10G
DB38 TVR10G
DB39 TVR10G
DB40 TVR10G
DB41 TVR10G

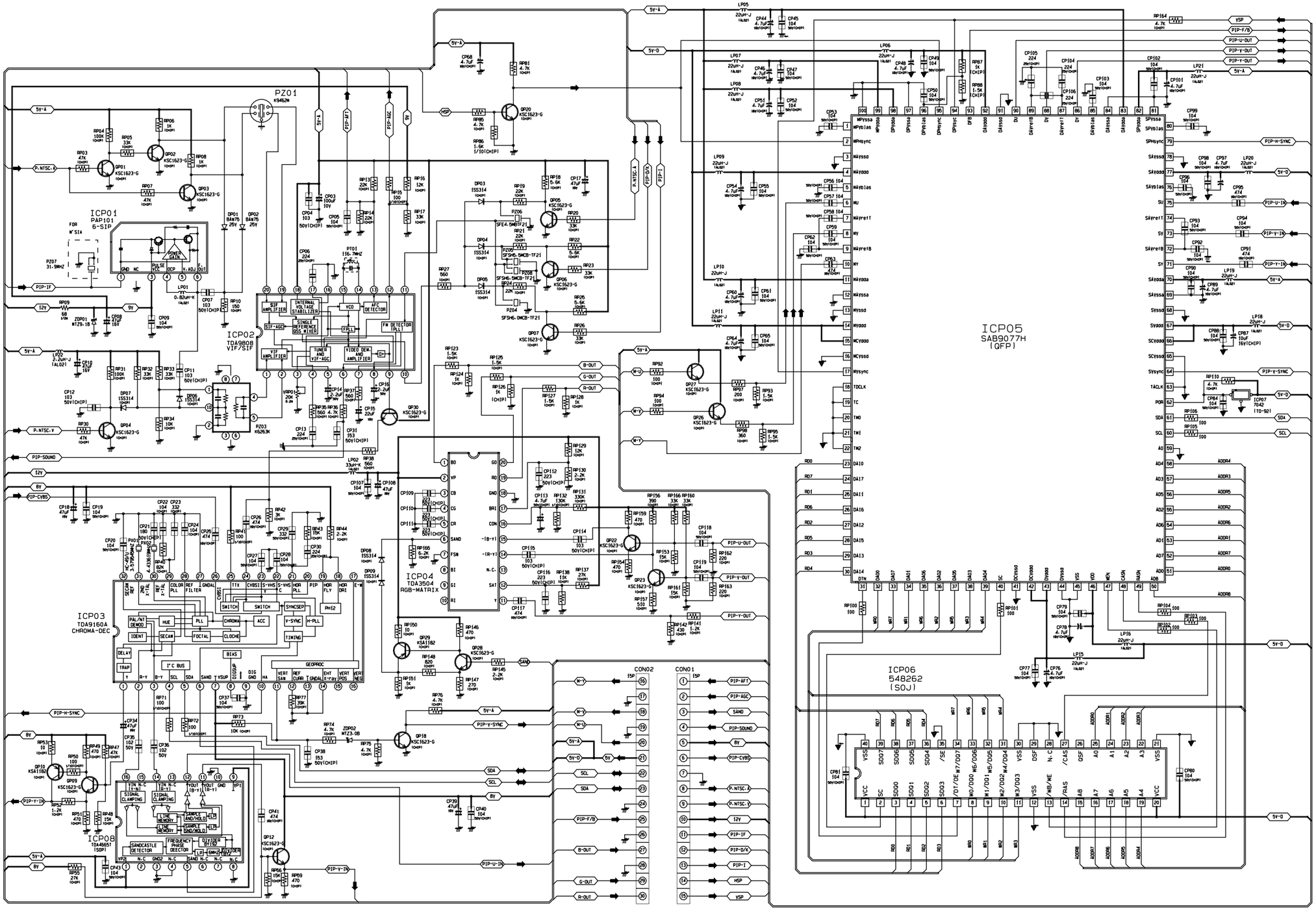
12-6 CRT


FROM MAIN-CN003
CUT-OFF
12V(A)
BLUE
GREEN
RED
GND(R,G,B)
TILT
BV
CVBS-YM
GND(SYM)
F/B(OSD/PIP/TTX)
CPY01
IC505
SPK101
(SIP)
IC503
IC502
IC501
TDA6101Q
(ASSY-H/S)
DIFFERENTIAL STAGE
CURRENT SOURCE
FOLLOWERS
MIRROR
Vbias
V501
HF-29.1S
A89LED50X01(Y)
TO.POWER-GT806
FROM FBT SCREEN VOLTAGE
IC504
MC4558C
CN503B
N/S CORRECTION COIL
CP501
220V(B)
14.5V
-14.5V
GND
HEATER
16.5V
135V
JUMPER OPTION
FROM POWER CN01
TO POWER ASSY

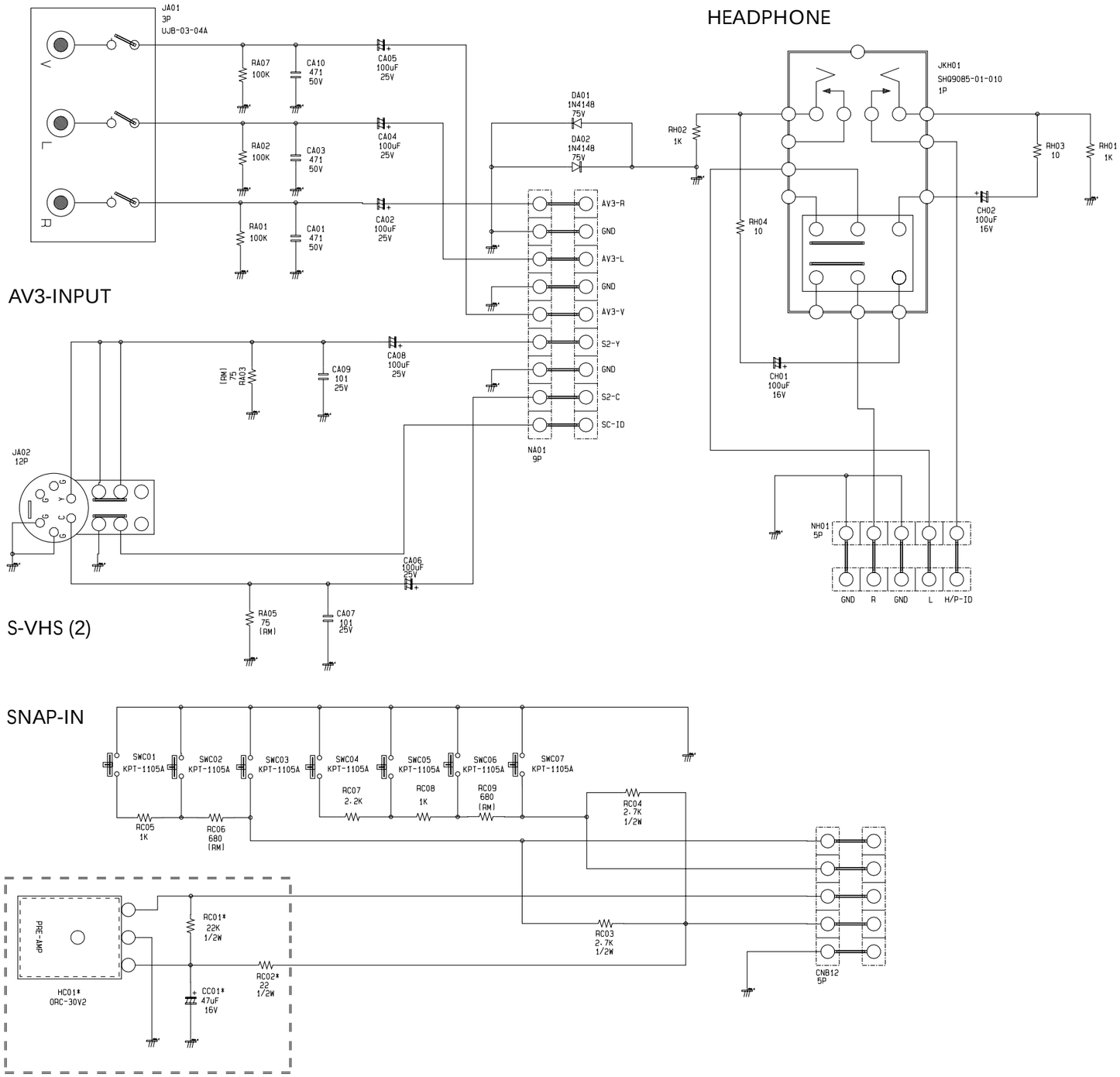
12-7 AUDIO


OPTION TABLE
LOC-NO | NICAM | W/O NICAM | SOUND OPTION
IC6001 | TDA9875 | TDA9870
RCA | SCART | RCA/SCART OPTION
R6020 | R-CHIP_2.2K | R-CHIP_5.1K
R6022 | R-CHIP_2.2K | R-CHIP_5.1K
R6046 | R-CHIP_1K | R-CHIP_510
R6047 | R-CHIP_1K | R-CHIP_510
SYSTEM | NTSC(M)
NTSC-3.58 | HIGH
OTHERS | LOW
IC6001*
TDA9875
DIGITAL-TV-SOUND-PROCESSOR
IC6002
TDA9808
IC6004
MC4558C
IC6003
TDA7050
SCL
SDA
NTSC
ADJUST
5V
FROM-SIDE-A/V
HP-IDENT
FROM-PIP-MODULE
PIP-MONO-IN
EXT-R-IN
FROM-S/W-IC
EXT-L-IN
FOR_HIGHER_AUDIO_SENSITIVITY
TO-CXA1855S
TV-R
TV-L
9V
MAIN-L
MAIN-R
HP-L
HP-R
W/L-H/P-L
W/L-H/P-R
12P CN6003
12P CN6004
ADJUST=2.5V

12-8 PIP

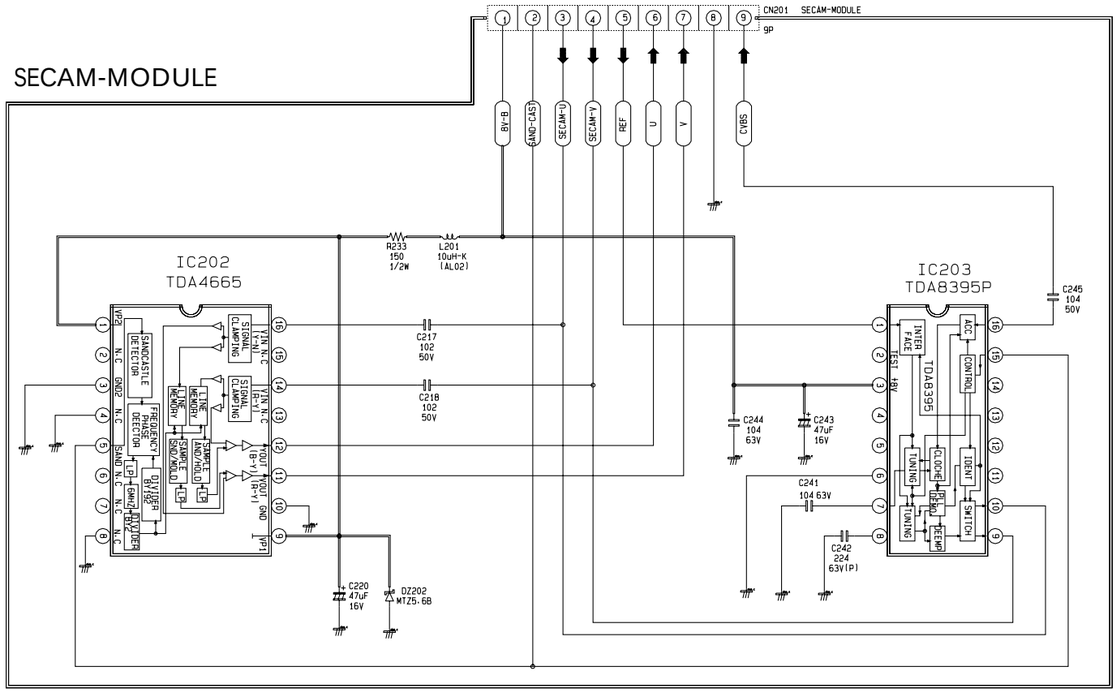

ICP01
PAP101
6-SIP
ICP02
TDA9808
VIF/SIF
ICP03
TDA9160A
CHROMA-DEC
ICP04
TDA3504
RGB-MATRIX
ICP05
SAB9077H
(QFP)
ICP06
548262
(SOJ)
ICP08
TDA6057
PZ01
K9462M
PZ07
31.5MHz
PTO1
116.7MHz
ZDP01
MTZ9.1B
ZDP02
MTZ3.0B
VRP01
20K
VRP02
20K
PX01
PX02
4.433619MHz
5Y-A
5Y-D
9V
12V
5V
P.NTSC-A
P.NTSC-V
PIP-IF
PIP-SOUND
PIP-CVBS
PIP-H-SYNC
PIP-Y-IN
PIP-U-IN
PIP-V-IN
PIP-Y-SYNC
PIP-AFT
PIP-AGC
SAND
PIP-F/B
B-OUT
G-OUT
R-OUT
SDA
SCL
YSP
PIP-F/B
PIP-U-OUT
PIP-Y-OUT
PIP-V-OUT
ADDR0
ADDR1
ADDR2
ADDR3
ADDR4
ADDR5
ADDR6
ADDR7
ADDR8
CON02
CON01

12-9 AV3-INPUT, S-VHS(2), SNAPIN, HEADPHONE

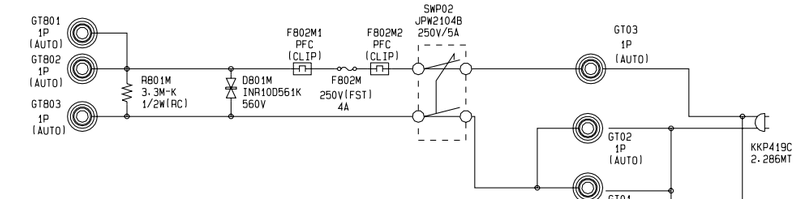


12-10 SECAM-MODULE, MASTER S/W, LED, REMOCON

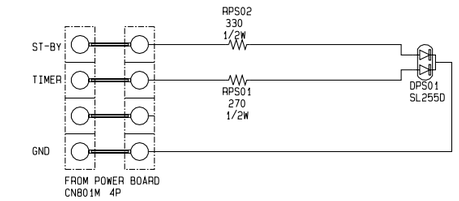
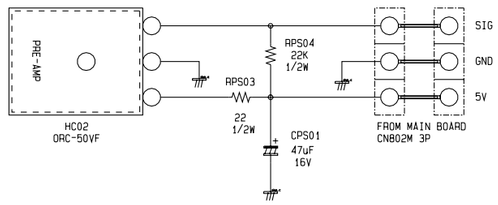
SECAM-MODULE



MASTER S/W



LED



REMOCON